

## Cortino Sukotjo, DDS, Ph.D., MMSc

### Personal Information

UIC College of Dentistry  
Department of Restorative Dentistry  
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h index: 34 (google scholar, 8/11/2021)  
h index: 26 (scopus, 7/19/2021)

### Education and Training

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|------|---------------------------------------------------------|-------------------------------|
| 1994 | Faculty of Dentistry, Padjadjaran University, Indonesia | D.D.S                         |
| 2002 | UCLA School of Dentistry, Los Angeles, CA               | Ph.D.                         |
| 2005 | Harvard School of Dental Medicine, Boston, MA           | M.M.Sc.                       |
| 2005 | Harvard School of Dental Medicine, Boston, MA           | Certificate in Prosthodontics |

### Academic Appointments

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|------------------|----------------------------------------------------------------------------------------------------------------------------|
| 2002-2005        | Postdoctoral Fellow in Prosthodontic, Harvard School of Dental Medicine                                                    |
| 2005-July 2008   | Instructor, Department of Restorative Dentistry, Harvard School of Dental Medicine                                         |
| August 2008-2010 | Clinical Assistant Professor, Restorative Dentistry, College of Dentistry, University of Illinois at Chicago               |
| August 2010-     | Assistant Professor, Restorative Dentistry, College of Dentistry, University of Illinois at Chicago                        |
| September 2012-  | Adjunct Associate Professor, Department of Mechanical Engineering, Michigan Technological University                       |
| August 2015      | Associate Professor, Tenured, Department of Restorative Dentistry, College of Dentistry, University of Illinois at Chicago |
| August 2015-     | Adjunct Associate Professor, Department of Biomedical Engineering, University of Illinois at Chicago                       |
| June 2021-       | Adjunct Professor, BAU School of Dental Medicine, Istanbul, Turkey                                                         |

### Specialty Board Certification

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| 2015 | Diplomate of the American Board of Prosthodontics |
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### Current Licensure

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|  | Dental Licensure in Indonesia<br>Illinois State |
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### Clinical Experience

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|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1994-1997 | Private Practice: Jakarta Indonesia.                                                                                                                                                                                       |
| 2002-2005 | Prosthodontic resident, Harvard School of Dental Medicine                                                                                                                                                                  |
| 2002-2005 | Part time clinical teaching assistant at Harvard School of Dental Medicine. Responsibility: supervise clinical dentistry for predoctoral student 3 hours/week and facilitator for Problem Based Learning group discussion. |
| 2005-2008 | Full time clinical instructor, Harvard School of Dental Medicine. Responsibility: teach clinic and preclinical laboratory for predoctoral dental student, 2 days/week.                                                     |
| 2008-     | Full time clinical faculty, UIC, College of Dentistry. Responsibility: supervise predoctoral implant clinic: 2 days/week and Small Group Learning facilitator: 1 day/week.                                                 |

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| 2019- | Advanced Predoctoral Implant Program Director, UIC, College of Dentistry.<br>Responsibility:                                                                                                                                                                                                                                           |
| 2020- | Predoctoral Implant Program Director, UIC, College of Dentistry.<br>Responsibility: teach and organize predoctoral implant lecture/preclinical exercises: 1 day/week in Spring semester (A2 and D2 student, total 120 students) and supervise predoctoral implant clinic: 2 days/week (A3, D3, A4 and D4 students, total 250 students) |

### **Scientific and Professional Society Memberships – Service to the Institution and Profession**

|              |                                              |
|--------------|----------------------------------------------|
| 1997-present | International Association of Dental Research |
| 2002-present | American College of Prosthodontics (ACP)     |
| 2002-present | Academy of Osseointegration                  |
| 2002-present | American Dental Education Association        |
| 2015-present | Academy of Prosthodontics                    |

### **Committee Services – Service to the Institution and Profession**

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| 2002-present | Officer, Education & Research Division, American College of Prosthodontics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2010-present | Chair, Department of Restorative Dentistry Mentoring Committee for Faculty and Graduate Students. This Department Committee is responsible for the mentoring of junior faculty in the Department, ensuring that they are engaged in scholarly activities, including research and peer-reviewed publishing. This presently includes 6 faculty members in the Department. The Committee is also responsible for coordinating the Master of Oral Science research for students in enrolled in the MS Graduate Degree Program. This presently includes 18 students in Prosthodontics, and 3 students in Endodontics Department. In addition, I also supervise 1 Ph.D and 1 Master's student from Bioengineering Department, UIC; 1 Ph.D student from Michigan Technological University and 1 Ph.D and 1 Masters student from Brazil. |
| 2010-2012    | Secretary/Treasurer for IADR/AADR Prosthodontic Research Group<br>The secretary/Treasurer is responsible for communicating with the central office, organizing the meeting, contacting the member, creating a yearly report (newsletter editor) to the members.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2012-present | American College of Prosthodontics, Science and New Technology Committee.<br>The charge for this committee is to monitor developing scientific advances for interest to the specialty and recognizes evolving technologies of significance; report findings to the Board of Director; provide recommendations to the BOD regarding science and technology developments considered interpretive or of potential value the clinical practice of prosthodontics; disseminate to the membership this information                                                                                                                                                                                                                                                                                                                     |
| 2012-present | ad-hoc reviewer for IADR/AAADR Dental Material Research Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2012-present | ad-hoc reviewer for IADR/AAADR Prosthodontic Research Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2012-present | Judges for IADR Prosthodontic Research Group: Frechette award                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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| 2013-present        | ad-hoc reviewer for IADR Prosthodontic Research Group: Pre-prosthodontics regenerative science award                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2013-present        | ad-hoc reviewer for IADR Prosthodontic Research Group: Student Research Fellowship                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 2013                | President Elect for IADR/AADR Prosthodontic Research Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2013-present        | American College of Prosthodontics, Research Committee<br>The charge for this committee is to stimulate, promote and evaluate prosthodontics research determine areas where more research is needed; report its findings and make recommendations to the BOD; foster the application of Evidence Based Dentistry in College sponsored research and educational activities.                                                                                                                                                                                                                                                                                                                           |
| 2013-2019           | President of Institute of Biomaterials, Tribocorrosion and Nanomedicine (IBTN). <a href="http://uic.edu/labs/ibtn/">http://uic.edu/labs/ibtn/</a><br>This institute mainly focused on the research and teaching related to development and characterization of the biomaterials for the clinical applications. The team consists of clinicians, material scientists and mechanical engineers from College of Dentistry-Restorative Dentistry and College of Engineering-Bioengineering at the University of Illinois at Chicago (UIC), Department of Mechanical Engineering at Michigan Technological University (MEEM-MTU), and Department of Orthopedics at Rush University Medical Center (RUMC). |
| 2014                | President for IADR/AADR Prosthodontic Research Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2014                | ADEA/William J. Gies Foundation Education Fellowship applicants reviewer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 2014-present        | ad-hoc reviewer for ADEA Annual Session & Exhibition session proposals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2014-2017           | ADEA Policy Center Educational Research and Analysis Committee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2014-present        | Director of Institute of Biomaterials, Tribocorrosion and Nanomedicine (IBTN) research laboratory at UIC, College of Dentistry.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2015                | Fellow of the American College of Prosthodontics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 2015                | Associate Fellow of the Academy of Prosthodontics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 9/25/2017-10/6/2017 | Visiting Professor, Faculty of Dentistry, Brawijaya University, Indonesia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 3/12/2018-present   | Visiting Professor, Faculty of Dentistry, Airlangga University, Indonesia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2017-2018           | Member of Mentoring Program, American College of Prosthodontics Annual Meeting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2018-present        | Visiting Professor, Faculty of Dentistry, Padjadjaran University, Indonesia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 6/22/2018-present   | Mock Board examiner for Advanced Education in Prosthodontics at the State University of New York-Buffalo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| 8/12/2018-8/18/2018 | Invited to participate in the event organized by the Ministry of Research, Technology and Higher Education, The Republic of Indonesia. I was one of the 58 Indonesian's Professor from around the globe that was invited to enhance the human resources of higher education institutions in Indonesia through various programs such as joint research, paper writing collaboration, faculty exchange, and joint supervision. Jakarta, Indonesia. |
| 2018-2019           | Members of Fellowship and Research and Education committee, the Academy of Prosthodontics                                                                                                                                                                                                                                                                                                                                                        |
| 2019-present        | Visiting Professor, Faculty of Dentistry, University of Indonesia, Indonesia                                                                                                                                                                                                                                                                                                                                                                     |
| 2019-present        | Visiting Professor, Faculty of Dentistry, University of Hassanuddin, Indonesia                                                                                                                                                                                                                                                                                                                                                                   |
| 2019                | Fellow of the Academy of Prosthodontics                                                                                                                                                                                                                                                                                                                                                                                                          |
| 8/19/2019-8/24/2019 | Invited to participate in the event organized by the Ministry of Research, Technology and Higher Education, The Republic of Indonesia. I was one of the 57 Indonesian's Professor from around the globe that was invited to enhance the human resources of higher education institutions in Indonesia through various programs such as joint research, paper writing collaboration, faculty exchange, and joint supervision. Jakarta, Indonesia. |
| 2020                | Chair for Poster Presentation, Academy of Prosthodontic Annual Meeting, Omni Grove Park, Asheville, North Carolina (cancelled due to Covid-19)                                                                                                                                                                                                                                                                                                   |
| 2020-               | National Prosthodontics Awareness Week (NPAW) committee member, The American College of Prosthodontics                                                                                                                                                                                                                                                                                                                                           |
| 2020-               | Organizing committee for DRAIN: Dental Research and Academic International Network.                                                                                                                                                                                                                                                                                                                                                              |
| 2020                | Secretary, American Dental Education Association, Prosthodontic Section                                                                                                                                                                                                                                                                                                                                                                          |
| 2020-present        | Predoctoral Education Committee member, The American College of Prosthodontics                                                                                                                                                                                                                                                                                                                                                                   |
| 2021                | President-elect, American Dental Education Association, Prosthodontic Section                                                                                                                                                                                                                                                                                                                                                                    |
| 2021                | Chair for Poster Presentation, Academy of Prosthodontic Annual Meeting, Online Meeting.                                                                                                                                                                                                                                                                                                                                                          |
| 2021                | Judges for Annual online ADEA meeting student poster presentation                                                                                                                                                                                                                                                                                                                                                                                |
| 2021                | External examiner for Dental Material, International Islamic University Malaysia (IIUM) Kulliyah of Dentistry, Kuantan, Pahang Darul Makmur, Malaysia                                                                                                                                                                                                                                                                                            |

#### **Editorial Services – Service to the Institution and Profession**

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| 2005-2006 | Co-reviewer with Dr. H.P. Weber, State of the Science on Implant Dentistry. Academy of Osseointegration |
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|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2008-2013        | Section Editor for Journal of Prosthodontics<br>The responsibility of the section editor is to perform initial screening of the submitted manuscript, distribute the manuscript to the reviewers, maintain the highest quality of the manuscript published and make final recommendation to the Editor in Chief.                               |
| 2011-2014        | Editorial Review Board for Journal of Dental Education<br>The responsibility of the editorial review board for JDE is to review the manuscript and make recommendation to the Editor in Chief.                                                                                                                                                 |
| Ad-hoc Reviewer: | Acta Biomaterial, Journal of Biomedical Optics, Clinical Implant Dentistry and Related Research, Journal of Dental Research, Geriatric Dentistry, Journal of Biomedical and Material Research B, Langmuir, ACS Applied Material and Interfaces, Journal of Dental Education, Journal of Prosthodontics, Bioactive Materials, Scientific Report |
| 2014-present     | Editorial Board Review member for Journal of Bio and Tribo-corrosion                                                                                                                                                                                                                                                                           |
| 2020-present     | Editorial Board Review member for Journal of Prosthetic Dentistry                                                                                                                                                                                                                                                                              |
| 2020-present     | Editorial Board Review member for Dentistry Journal (MDPI),<br><a href="https://www.mdpi.com/journal/dentistry">https://www.mdpi.com/journal/dentistry</a>                                                                                                                                                                                     |
| 2020-present     | Guest Editor for special issue Dentistry Journal: "Advanced Research in Prosthodontics."<br><a href="https://www.mdpi.com/journal/dentistry/special_issues/advanced_research_in_prosthodontics">https://www.mdpi.com/journal/dentistry/special_issues/advanced_research_in_prosthodontics</a>                                                  |
| 2021             | Editorial Board Review member for Materials (MDPI),<br><a href="https://www.mdpi.com/journal/materials">https://www.mdpi.com/journal/materials</a>                                                                                                                                                                                             |
| 2021             | Editorial Board Review member for Education Sciences (MDPI),<br><a href="https://www.mdpi.com/journal/education/editors">https://www.mdpi.com/journal/education/editors</a>                                                                                                                                                                    |
| 2021             | Editorial Board Review member for Virtual Reality and Human Behaviour<br><a href="https://www.frontiersin.org/journals/virtual-reality">https://www.frontiersin.org/journals/virtual-reality</a>                                                                                                                                               |
| 2021             | Editorial Board Review member for BMC Oral Health<br><a href="https://bmcoralhealth.biomedcentral.com">https://bmcoralhealth.biomedcentral.com</a>                                                                                                                                                                                             |

### **College of Dentistry Committees**

|                |                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------|
| 2010 – Present | Chair Mentoring Committee, Department of Restorative Dentistry, UIC, COD                                  |
| 2011           | Representative from Department of Restorative Dentistry for Masters thesis committee task force UIC, COD. |
| 2012-present   | UIC-Graduate College Faculty (Associate Member)                                                           |
| 2012-present   | Faculty Search Committee, Department of Restorative Dentistry (member)                                    |
| 2011-13        | UIC Faculty Dental Practice committee                                                                     |
| 2013-present   | Judges for Clinical and Research Day at College of Dentistry                                              |
| 2014-2018      | Wach Fund proposal reviewer                                                                               |
| 2014-present   | Department Faculty Search Committee                                                                       |
| 2019-present   | Promotion and Tenure Committee                                                                            |

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|--------------|-------------------------------------------------------------|
| 2019-present | Director of Advanced Predoctoral Implant Program            |
| 2019-2020    | Co-Director of Predoctoral Implant Program                  |
| 2019-present | Co-Director of BIOE 494 – Intro to Dental Science/Research  |
| 2020-present | Director of Predoctoral Implant Program                     |
| 2020-present | Digital Dentistry Implementations Committee                 |
| 2020-present | Clinic Operations Committee                                 |
| 2020-present | UIC-COD Accreditation Committee                             |
| 2020-present | New Faculty interview Committee                             |
| 2020-present | Dental Material Committee                                   |
| 2020-present | Curriculum Committee                                        |
| 2020-present | Faculty supervisor for Pan-Asian Student Dental Association |

#### **Other College/University Committees/services**

|                   |                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------|
| 2020-present      | Co-Director of BIOE-494: Introduction to Dental science/Research                                                         |
| April 1, 2020     | Judges for The 2020 UIC Impact and Research Day (IRD)                                                                    |
| April 10, 2020    | Judges for The 3rd annual UIC Bioengineering Research Symposium<br>(cancelled due to Covid-19 pandemic)                  |
| January, 2021     | Participants (Non-voting members) for UIC Chancellor's Committee on the<br>Status of Persons with Disabilities           |
| Spring 2021       | Facilitator for The Foundations of Interprofessional Collaborative Practice<br>(FICP), University of Illinois at Chicago |
| April 16, 2021    | Judges for The 3rd annual UIC Bioengineering Research Symposium                                                          |
| September 1, 2021 | University Senate                                                                                                        |

#### **Awards and Honors**

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|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1994 | Graduate with Honor. First Rank. Padjadjaran University, Faculty of Dentistry, Indonesia                                                                                                                                                       |
| 2000 | Finalist of Arthur R. Frechette 2000 New Investigator Award, International Association of<br>Dental Research [IADR, Washington DC 2000]                                                                                                        |
| 2001 | Finalist of AADR Warner-Lambert Hatton Awards Competition, San Diego, California                                                                                                                                                               |
| 2001 | First Place Recognition in the Post-Doctoral Basic Science Category for Quality Geriatric<br>Oral Research of Morita Junior Investigator Awards in Geriatric Oral Research,<br>International Association of Dental Research [IADR, Chiba 2001] |
| 2001 | American College of Prosthodontist/Procter & Gamble Fellowship in Complete Denture<br>Prosthodontics                                                                                                                                           |
| 2002 | Straumman Fellowship. Harvard School of Dental Medicine. Boston, Massachusetts                                                                                                                                                                 |
| 2004 | The Academy of Prosthodontics Foundation Research Award. This award is given<br>annually to support resident in prosthodontics to enhance their research career.                                                                               |
| 2004 | The Greater New York Academy of Prosthodontic Student Research Award. This award<br>is given annually to support resident in prosthodontics to enhance their research.                                                                         |
| 2004 | Tylman Research Grant, The American Academy of Fixed Prosthodontics. This award<br>is given annually to support resident in prosthodontics to enhance their research.                                                                          |
| 2004 | ITI Small Grant Application                                                                                                                                                                                                                    |

- 2006 Milton Research Award, Harvard Medical School (Collaboration with Dr. Nadeem Karimbux, HSDM). This award was given annually to support selected junior faculty research at Harvard Medical School.
- 2006 Academy of Osseointegration, Research Award. This award was given annually to support junior researcher to enhance implant osseointegration.
- 2008 Osteology Foundation Research Award. Project title: Potential of a Novel Alginate-Hydrogel Scaffold as a Platelet Derived Growth Factor (PDGF) Delivery System for Hard Tissue Regeneration. This award was given yearly by Osteology Foundation to support young investigator with an innovative idea to enhance implant osseointegration.
- 2008 Osteology Foundation Research Award. Project title: Implant Nanofiber Composites Enriched in Bone Marrow-Derived Mesenchymal Stem Cells for Oral and Maxillofacial Rehabilitation.
- 2011 American College of Prosthodontists, Young Prosthodontist Innovator Award for the study entitled: *In-Vivo Study of Novel Superhydrophilic Implant Surfaces*. The goal of the award is to advance understanding of prosthodontic-related biological and/or materials systems, human behavior, cost and care of delivery as well as economic modeling and Quality of Life investigations. It was presented at the ACP's Annual Session in 2011.
- 2011 ADEA/Zimmer Dental Implant Education Award for UIC-COD Predoctoral Implant program. \$25,000 monetary award  
The American Dental Education Association (ADEA) named the University of Illinois College of Dentistry's Dental Implant Educational Team as the recipient of this award in 2010. The award is given every two years and recognizes a dental institution and educator team that has demonstrated a commitment to excellence and innovation in the area of dental implant education. As core faculty of the predoctoral implant program at UIC, I assisted in completing the application for this award. The criteria used to select UIC as the winner for this award included:
- Demonstration of commitment to dental implant education;
  - Sustained development of educational programs;
  - Innovation in teaching methodology;
  - Successful outcomes of teaching efforts;
  - Service to the community; and
- Successful integration of educational programs into the established curriculum.
- 2013 Recipient of 2013 ADEA/William J. Gies Foundation Education Fellowship  
The purpose of this prestigious fellowship is to support a unique learning experience in ADEA Central Office in Washington, DC. This fellowship is designed to familiarize dental educators with a broad range of timely educational issues facing dental education. This award is given only for one fellow per year at ADEA annual meeting.
- 2014 Council for Excellence in Teaching (CETL) Program University of Illinois Departmental Teaching Excellence Award (DTEA) for UIC—COD Predoctoral Implant Program.  
The purpose of the award is to reward documented group excellence in teaching and to encourage UIC's investment in superior teaching at the departmental level. This Award is in recognition of documented commitment to excellent performance in teaching and carries a \$20,000 monetary award.
- 2014 Best Research Mentor of the year, UIC-College of Dentistry. This award was selected and sponsored by UIC-Predoectional Research Student Group. The award was presented

to one mentor of the year at UIC-COD during the yearly UIC-COD Clinical and Research Day.

- 2015 Clinician/Researcher Award from American College of Prosthodontists
- 2019 Alumni of the year for Academic Achievement. Faculty of Dentistry, Padjadjaran University, Indonesia
- 2020 Teaching Recognition (TRP) Program Award. University of Illinois at Chicago. The Teaching Recognition Program is UIC's self-nominated, faculty-administered teaching award program. Offered through the Office of the Provost and Vice Chancellor for Academic Affairs.
- 2021 Best Paper Award. Title: Immersive Learning with AI-enhanced Virtual Standardized Patient (VSP) to Improve Dental Student's Communication Proficiencies. The 14<sup>th</sup> International conference on Advances in Computer-Human Interaction, Nice, France, July 18-22, 2021

## **Report of Teaching**

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### ***Harvard School of Dental Medicine (2005-2008)***

#### ***Predoctoral Courses-Director Level***

- 2005- 2008 -Predoctoral Complete Denture Course
  - Director
  - 35 dental students
  - 100 hours/year
  - Organize course, prepare syllabi, lecture and evaluate students
- Lecture/laboratory course, introduction to fabrication of complete denture evaluation, diagnosis, planning and management of fully edentulous patients. This course covers clinical and laboratory concepts necessary for the management of a fully edentulous patient via plenary, clinical, and laboratory sessions. This course involves the fabrication of a set of dentures for 1 patient. Responsibilities included 8 lectures throughout the year and providing demonstration and supervising a group of 9-10 students on their laboratory projects and fabrication of maxillary and mandibular complete dentures for the assigned patient.
- 2004-2008 -Predoctoral Oral Comprehensive Exam
  - Examiner
  - 35 dental students
  - 10 hours/year
  - Write and present examination content, examine students

#### ***Predoctoral Courses-Clinical Teaching***

- 2003-2005 -Comprehensive Care Clinic
  - Clinical Instructor
  - 35 students (3<sup>rd</sup> Year dental students)
  - 200 hours of clinic supervision/year
- 2005-present -Comprehensive Care Clinic
  - Clinical Instructor
  - 70 students (3<sup>rd</sup> and 4<sup>th</sup> Year dental students)
  - 400 hours of clinic supervision/year

#### ***Predoctoral Courses-Tutor***

- 2003 -Development

2003 Tutor  
8 dental students  
12 hours/year  
Facilitate and evaluate the group process  
-Oral Microbiology and Immunology  
2003-2004 Tutor  
8 dental students  
8 hours/year  
-Oral Structure and Function  
2004-2005 Tutor  
8 dental students  
12 hours/year  
-Restorative Treatment  
Tutor  
8 dental students  
30 hours/year

Predoctoral Courses-Lecture Level

2005-2008 -Restorative Treatment  
Lecturer  
35 dental students  
30 hours/year  
Lecture in Topics in Prosthodontics  
2005-2008 -Treatment of Active Disease  
Lecturer  
35 dental students  
2 hours/year  
Lecture in Topics in Operative  
2005-2008 -Oral Structure and Function  
Lecturer  
35 dental students  
2 hours/year  
Lecture in Topics in Dental Anatomy

**University of Illinois at Chicago, College of Dentistry**

Predoctoral Courses-Lecture Level

2008-Present -Predoctoral Implant lectures series  
Lecturer  
103 Students  
2 hours/year  
2008-Present -Predoctoral Implant Clinic  
Clinic Instructor  
103 Students  
20% - 1 day per week  
-Pre-doctoral Implant Clinic (Year 2, 3 and 4 students, supervise diagnosis, treatment planning, restorative (single tooth implant supported restoration and two-implant supported mandibular overdenture), and maintenance procedures. The implant clinic for D2, D3 and D4 students was established in 2007 with the purpose of allowing dental implant restorative experiences for every dental student. Students provide assessments, consultations, diagnoses, treatment planning, surgical assisting, restorations, and maintenance for single tooth and mandibular overdenture patients. Part of their experience is also the completion of an implant patient portfolio by the end

of the D4 year. This portfolio must include detailed explanations of all phases of implant care. Photographs, self-assessments, narratives of implant surgery and restoration, and outcome assessments are additional components of the portfolio. Responsibilities include supervising 4-5 students per clinic session as well as administrative tasks.

- 2012-Present -Small Group Learning (SGL) Facilitator for the new DMD curriculum  
6-8 student/group  
20% - 1 day per week  
As a facilitator, I spent 1 day per week to moderate the SGL discussion. The role of facilitator is very important in SGL learning process.
- 2019-Present -Director of Advanced Predoctoral Implant Program for COD D4 and AS4 student.
- 2019-Present -Director of Predoctoral Implant Program
- 2019-Present -Director of BIOE-494: Introduction to Dental science/Research. UIC College of Engineering

### Graduate courses

- 2008-Present - Independent Study, OSCE 598
- 2018-Present - BioE/ME 562: Biomedical Implants  
One lecture per semester (2 hours), 34 students
- 2020-Present - BIOE-494: Introduction to Dental science/Research, 2-3 lectures (1 hour/lecture), 22 students

### Developing, Leading and Teaching Study Courses and Programs outside UIC

|   | Location                                                                                                                  | Name of the course                                | Dates taught | Credit hours | Number of students enrolled |
|---|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------|--------------|-----------------------------|
| 1 | Faculty of Dentistry, Gadjah Mada University, Jogjakarta, Indonesia                                                       | Implant Dentistry, Part 1                         | 4/22/2021    | 1            | 50                          |
| 2 | Faculty of Dentistry, Gadjah Mada University, Jogjakarta, Indonesia                                                       | Implant Dentistry, Part 2                         | 6/9/2021     | 1            | 50                          |
| 3 | Webinar-online. School of Dentistry, Faculty of Medical Sciences, THE UNIVERSITY OF THE WEST INDIES, Mona Campus, Jamaica | Implant Dentistry for Predoctoral Student, Part 1 | 7/6/2021     | 2            | 13                          |
| 4 | Webinar-online. School of Dentistry, Faculty of Medical Sciences, THE UNIVERSITY OF THE WEST INDIES, Mona Campus, Jamaica | Implant Dentistry for Predoctoral Student, Part 2 | 7/13/2021    | 2            | 13                          |
| 5 | Webinar-online. School of Dentistry, Faculty of Medical Sciences, THE UNIVERSITY OF THE WEST INDIES, Mona Campus, Jamaica | Implant Dentistry for Predoctoral Student, Part 3 | 7/20/2021    | 2            | 13                          |
| 6 | Webinar-online. School of                                                                                                 | Implant Dentistry for                             | 7/27/2021    | 2            | 13                          |

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|----|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------|---|---|
|    | Dentistry, Faculty of Medical Sciences, THE UNIVERSITY OF THE WEST INDIES, Mona Campus, Jamaica | Predoctoral Student, Part 4                                   |             |   |   |
| 7  | DIG6850 Digital Arts & Sciences Convergence Digital World Institute, University of Florida      | Development of Virtual Reality for Implant Surgery            | Fall 2019   | 3 | 2 |
| 8  | DIG6744C Movement, Media and Machines. Digital World Institute, University of Florida           | Development of Virtual Standardized Patient                   | Spring 2020 | 3 | 7 |
| 9  | DIG6850 Digital Arts & Sciences Convergence. Digital World Institute, University of Florida     | Development of Virtual Reality for Cavity Preparation         | Fall 2020   | 3 | 7 |
| 10 | DIG6744C Movement, Media and Machines. Digital World Institute, University of Florida           | Development of Multi-User Virtual Reality for Implant Surgery | Spring 2021 | 3 | 8 |

## Advising Responsibilities:

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### Postdoctoral:

#### Master's Thesis (Primary Advisor):

- 2004-6 Michael Gerald O'Toole DMD, MMSc -HSDM  
Thesis: An analysis of sandblasted and acid-etched (SLA) and machined implant surfaces  
Role: Primary advisor
- 2006-8 James Chen DDS, MMSc Candidate, -HSDM  
Thesis: The effects of nicotine on oral mucosa wound healing  
Role: Primary advisor
- 2007-9 Fatemeh Afshari DMD, MS. -UIC-COD  
Thesis: Patient recall in postgraduate prosthodontic programs in the United States  
Role: Primary advisor
- 2009-11 Suchada Kongkiatmon, DDS,MS. Prosthodontic Resident. -UIC-COD  
Thesis: Cellular behavior of hMSC cultured onDMP-1 treated implant surfaces  
Role: Primary advisor
- 2009-11 Sahand Zomorrodian. DMS,MS. Prosthodontic Resident. -UIC-COD  
Thesis: Cellular response of human mesenchymal stem cells cultured on corroded titanium surfaces  
Role: Primary advisor
- 2010-12 Savitry Abey. DMD, MS. Prosthodontic Resident. UIC-COD  
Thesis: Electrochemical characterization of dental implants: CpTi.  
Role: Primary advisor
- 2012-13 Emily Taylor DDS, MS. Prosthodontic Resident. -UIC-COD  
Thesis: Implant esthetic analysis of anterior maxilla single tooth implant performed by UIC predoctoral student  
Role: Primary advisor
- 2012-13 Philip Hedger DDS. MS. Prosthodontic Resident. -UIC-COD  
Thesis: Social engagement and implant overdenture treatment  
Role: Primary advisor
- 2011-14 Goth Siu DDS. Prosthodontic Resident. -UIC-COD  
Thesis: Improving the pink and white esthetic scores (PES/WES) in predicting patient satisfaction of anterior implant restorations  
Role: Primary advisor
- 2011-14 Graham Meng DDS, MS. Prosthodontic Resident. -UIC-COD  
Thesis: Effect of *Candida* biofilm on the repair strength and mechanical properties of denture acrylic  
Role: Primary advisor
- 2012-15 Amy Au DDS. Prosthodontic Resident. -UIC-COD  
Thesis: Antimicrobial effect of silver embedded titania nanotube (TiO<sub>2</sub>-NT-Ag) implant surface against *Porphyromonas gingivalis*  
Role: Primary advisor
- 2012-15 Natalie Wolfson DMD. Prosthodontic Resident. -UIC-COD  
Thesis: Characterization and biocompatibility of Zr-TiNT implant surfaces.  
Role: Primary advisor
- 2013-15 Bela Joshi. Department of Chemical Engineering. -UIC  
Thesis: Remineralization of tooth using Atomic Layer Deposition Technique  
Role: Primary advisor
- 2013-15 Himani Nadgauda. Department of Chemical Engineering. -UIC  
Thesis: Role of Titanium Nanotubes in Porcelain-Titanium Bonding

- 2013-16 Role: Primary advisor  
Craig Sikora DMD. Prosthodontic Resident. -UIC-COD  
Thesis: Wear and corrosion at the titanium-Zirconia implant abutment interface.  
Role: Primary advisor
- 2013-16 Charles Palin DMD. Prosthodontic Resident. -UIC-COD  
Thesis: The effect of oral biofilms on the tribological properties of denture tooth acrylic  
Role: Primary advisor
- 2013-16 Alec Zuric DMD. Prosthodontic Resident. -UIC-COD  
Thesis: The wear characteristics of opposing CAD/CAM ceramic materials  
Role: Primary advisor
- 2014-17 Ryan A. Matthews DMD. Prosthodontic Resident. -UIC-COD  
Thesis: Role of Titanium Nanotubes in Porcelain-Titanium Bonding, Accoustic Emission Analysis.  
Role: Primary advisor
- 2018 Saad S. Alresayes DDS, Prosthodontic Resident. -UIC-COD.  
Title: Corrosion Behavior of Ti15Zr (Roxolid®) Dental Implant Alloy Compared to CpTi and Ti6Al4V Alloys.  
Role: Primary advisor
- 2019 Laura Koo Min Chee DMD, Prosthodontic Resident. -UIC-COD  
Title: Color evaluation of polymethylmethacrylate with novel nano-ceramic coating  
Role: Primary advisor
- 2020 Yale Cho DMD. Prosthodontic Resident. -UIC-COD.  
Title: Determining the Perceptibility and Acceptability Threshold of the Relative Translucency Parameter for Porcelain Crowns.  
Role: Primary advisor
- 2020 James Pizzo DMD. Prosthodontic Resident. -UIC-COD.  
Title: Microbiome Analysis of Biofilms in Patients with Zirconia and Acrylic-Titanium Fixed Complete Denture Prostheses  
Role: Primary advisor
- 2021 Nicole Sannito DMD. Prosthodontic Resident. -UIC-COD.  
Title: Color stability of PDMS coated Ag  
Role: Primary advisor
- 2021 Meghan Koennecke DMD. Prosthodontic Resident. -UIC-COD.  
Title: Bacterial diversity and attachment of silver-coated titanium using ALD technology, in vivo study  
Role: Primary advisor
- 2021 Jun Soo Shin DMD. Prosthodontic Resident. -UIC-COD.  
Title: Microbiome Characterization of Extra-Oral Implant and Soft Tissue in Direct Contact with Maxillofacial Prostheses  
Role: Primary advisor

**Master's Thesis (Co-Advisor):**

- 2012-14 Gustavo Da Codos Santos Pinto. Master's Student in Oral Rehabilitation. University of São Paulo - Ribeirão Preto – Brazil.  
Thesis: Effect of brushing and corrosion on CpTi  
Role: Co-advisor
- 2012-13 Stephanie Liss, DDS, MS. Endodontic Resident. -UIC-COD  
Thesis: Comparison of quality of life studies between endodontic treatment and single tooth implants  
Role: Co-advisor
- 2012-13 Logan Bell, DDS, MS. Endodontic Resident. -UIC-COD  
Thesis: Applicant selection procedures for endodontic specialty programs in the United States: a survey of program directors  
Role: Co-advisor

- 2012-13 Sweetu Patel. Department of Bioengineering. UIC.  
Thesis: Functionalization and characterization of CP-Ti and Ti-6Al-4V surfaces for biomedical implants  
Role: Co-advisor
- 2011-14 Alexandra Polus, DMD. Prosthodontic Resident. -UIC-COD  
Thesis: Assessing WES in the presence of digital facial portraits  
Role: Co-advisor
- 2013-14 John Grotberg. Department of Bioengineering. -UIC  
Thesis: Cell responses and corrosion resistance of annealed titania nanotubes  
Role: Co-advisor
- 2013-14 Pete Rosman. Department of Bioengineering. -UIC  
Thesis: Fretting corrosion of titanium implant  
Role: Co-advisor
- 2012-15 Anthony Palloto DDS. Prosthodontic Resident. -UIC-COD  
Thesis: Influence of tooth shape on perceived personality  
Role: Co-advisor
- 2013-16 Virginia Hogsett DMD. Prosthodontic Resident. -UIC-COD  
Thesis: Prosthetic complications of implant-supported full arch prostheses: a comparison of metal-acrylic, copymilled zirconia, and cementable crown prostheses  
Role: Co-advisor
- 2019 Berkman Albayrak DDS, Atatürk University Faculty of Dentistry, Department of Prosthodontics  
Title: Three-Dimensional Accuracy of Conventional vs. Digital Full-Arch Implant Impressions  
Role: Co-advisor
- 2020 Jingyao Li, Master in Digital Arts and Sciences. University of Florida, College of the Arts.  
Title: Virtual Reality and Dental Surgery  
Role: Co-advisor
- 2020 Menghan Zhan, Master in Digital Arts and Sciences. University of Florida, College of the Arts. Title: Virtual Reality and Dental Surgery  
Role: Co-advisor
- 2020 Aadithya Gowthaman, Master in Digital Arts and Sciences. University of Florida, College of the Arts. Title: Virtual Standardized Patient  
Role: Co-advisor
- 2020 Austin Stanbury, Master in Digital Arts and Sciences. University of Florida, College of the Arts. Title: Virtual Standardized Patient  
Role: Co-advisor
- 2020 Bingyu Li, Master in Digital Arts and Sciences. University of Florida, College of the Arts. Title: Virtual Standardized Patient  
Role: Co-advisor
- 2020 Ines Said, Master in Digital Arts and Sciences. University of Florida, College of the Arts. Title: Virtual Standardized Patient  
Role: Co-advisor
- 2020 Linda Kirova, Master in Digital Arts and Sciences. University of Florida, College of the Arts. Title: Virtual Standardized Patient  
Role: Co-advisor
- 2020 Patrick Molen, Master in Digital Arts and Sciences. University of Florida, College of the Arts. Title: Virtual Standardized Patient  
Role: Co-advisor
- 2020 Jordan Smith, Master in Digital Arts and Sciences. University of Florida, College of the Arts. Title: Virtual Standardized Patient  
Role: Co-advisor
- 2021 Uvoh E. Onoriobe, Master of Science (Prosthodontics) in The University of Michigan. Title: Developing A Dental Implant Curriculum for Nigeria's Dental Schools.  
Role: Co-advisor

**Master's Thesis (Thesis committee):**

- 2017 Su Huang, Department of Chemical Engineering, UIC-College of Engineering.  
Thesis: improving polymethyl methacrylate resin using a novel nano-ceramic coating  
Role: MS Thesis committee
- 2017 Ghaith Darwis DMD. Prosthodontic Resident. -UIC-COD  
Thesis: improving polymethyl methacrylate resin using a novel nano-ceramic coating  
Role: MS Thesis committee
- 2018 Eleonora Pensa, Department of BioEngineering, UIC-College of Engineering.  
Title: Characterization of TiO<sub>2</sub> and ZrO<sub>2</sub> Coating by Atomic Layer Deposition on Silicon and Organic Substrates  
Role: MS Thesis committee

**Certificate student:**

- 2005-7 Seiichi Yamano DMD, -HSDM  
Research Project: Molecular analysis of edentulous oral mucosa formation in type 2 diabetes mice
- 2007-9 Ryan Blisset DMD and Meng-Chieh Lee DDS, -HSDM  
Research Project: Differential factors that influence applicants selection of prosthodontics residency program
- 2008-10 Andrew Ma, DDS, Prosthodontic Resident, -HSDM  
Research Project: In vitro analysis of human gingival cells cultured on different implant surfaces material and topography
- 2008-10 Rosemarie Tan DDS. Prosthodontic Resident. -UIC-COD  
Research Project: Single-tooth implant versus endodontic therapy: a treatment-planning questionnaire.
- 2009-11 Christopher Chan. DDS. Prosthodontic Resident. -UIC-COD  
Research Project: Quality assurance in the department of restorative dentistry at the university of Illinois at Chicago, college of dentistry
- 2009-11 Pamela Barias. DDS. Prosthodontic Resident. -UIC-COD  
Research Project: Survival of dental implants placed by advanced prosthodontic students: a retrospective case series.
- 2012-13 Andrew Carmosino. Periodontic Resident. -UIC-COD  
Research Project: Postdoctoral periodontal program directors' perspective on resident selection
- 2013-16 Daniel Pinkston. Prosthodontic Resident. -UIC-COD  
Research Project: Current opinion of maxillofacial prosthodontic program from current resident and program director.

**Certificate student (Prosthodontic Board External Examiner):**

- 06-2020 Acing Habibie Mude DDS, Prosthodontic Resident  
Faculty of Dentistry, Hasanuddin University, Makassar, Indonesia
- 06-2020 Maharani Kurniati Baso DDS, Prosthodontic Resident  
Faculty of Dentistry, Hasanuddin University, Makassar, Indonesia
- 07-2020 Leni Hadi DDS, Prosthodontic Resident  
Faculty of Dentistry, University of Sumatra Utara, Medan, Indonesia
- 08-2020 Daisy Supandi DDS, Prosthodontic Resident  
Faculty of Dentistry, University of Indonesia, Jakarta, Indonesia
- 08-2020 Fauziah Erfin DDS, Prosthodontic Resident  
Faculty of Dentistry, Padjadjaran University, Bandung, Indonesia
- 09-2020 Ivana DDS, Prosthodontic Resident  
Faculty of Dentistry, University of Sumatra Utara, Medan, Indonesia
- 11-2020 Agrippina Maria Winardy DDS, Prosthodontic Resident  
Faculty of Dentistry, University of Indonesia, Jakarta, Indonesia

11-2020 Filzah Zulkarnaen, DDS, Prosthodontic Resident  
Faculty of Dentistry, University of Indonesia, Jakarta, Indonesia

#### **Ph.D Student (Primary Advisor)**

- 2009-11 Valentim Barao DDS, Ph.D. -UIC-COD and UNESP, Brazil.  
Title: Corrosive behavior of titanium: influence of pH and lipopolysaccharide  
Role: Primary advisor
- 2012-14 Newton Linchari Junior, UNESP Brazil.  
Title: Corrosion behavior of thermally oxidized titanium  
Role: primary advisor
- 2013-15 Isabella Vieira Marques, University of Campinas, Piracicaba Dental School, Sao Paulo, Brazil.  
Role: Primary advisor  
Title: Bioactive coatings produced on titanium surfaces by micro-arc oxidation for dental applications: corrosion, tribocorrosion and biological responses
- 2016-20 Sarah Hashemiastaneh, University of Illinois at Chicago, Department of Chemical Engineering.  
Role: Co-Advisor  
Title: Surface functionalization and enhancement of properties of biomaterials through atomic layer deposition

#### **Ph.D Student (Co-Advisor)**

- 2012-14 Azhang Hamlekhan: Michigan Technology University.  
Ph.D Thesis: Control drug release kinetics from titanium oxide nanotubes through optimization of nanotubes aspect ratio  
Role: Co-Advisor
- 2013- Sweetu Patel. Michigan Technological Institute.  
Role: Co-Advisor
- 2012- Arman Butt. University of Illinois at Chicago, Department of Biomedical Engineering,  
Role: Co-Advisor
- 2017 Sofia Alves  
PhD student in Biomedical Engineering/ Researcher  
Centre for Mechanical and Materials Technologies, CT2M, Department of Mechanical Engineering, University of Minho, 4800-058 Guimarães, Portugal  
Role: Co-Advisor
- 2018 Arghya Kamal Bishal. University of Illinois at Chicago, Department of Biomedical Engineering.  
Title: Functionalization of Biomaterials with Atomic Layer Deposition for Tunable Performance Enhancements  
Role: Co-Advisor
- 2020 Mina Shahmohammadi, University of Illinois at Chicago, Chemical Engineering.  
Role: Co-Advisor
- 2020 Dyah Nindita Carolina DDS, Faculty of Dentistry, Padjadjaran University, Department of Periodontics  
Role: Co-Advisor
- 2020 Setyawan Bonifacius DDS, Faculty of Dentistry, Padjadjaran University, Department of Prosthodontics  
Role: Co-Advisor
- 2020 Farina Pramanik DDS, Faculty of Dentistry, Padjadjaran University, Department of Radiology  
Role: Co-Advisor
- 2020-22 Mostafa Alhamad DDS, University of Illinois at Chicago, College of Dentistry.  
Role: Co-Advisor

### Ph.D Student (Thesis committee)

- 2014 Chun-Chieh Huang. University of Illinois at Chicago, Department of Biomedical Engineering, Ph.D Thesis: Synthesis And Characterization of Leucine Zipper Hydrogel For Tissue Regeneration  
Role: Ph.D Thesis committee
- 2015 Sathees Kannan Selvaraj. University of Illinois at Chicago, Department of Biomedical Engineering.  
Ph.D Thesis: Atomic Layer Deposition of Metal Oxides for Emerging Applications  
Role: Ph.D Thesis committee
- 2019 Kun He, University of Illinois at Chicago, Department of Mechanical Engineering. Title: In-situ liquid-cell TEM studies of nucleation and growth at nanoscale.  
Role: Ph.D Thesis committee
- 2020 Sri Budi Barunawati DDS. Department of Prosthodontics, Faculty of Dentistry, Gadjah Mada University, Indonesia.  
Ph.D Thesis: The Effects of Abalone Gel Application After Tooth Preparation on The Dentinal Tubule Closure (*in vitro* dan *in vivo* study on *Rattus norvegicus*)  
  
Role: Ph.D Thesis committee

### Predoctoral:

- 2007 Sophia Saeed, DMD candidate, -HSDM  
Differential factors that influence male and female dental students' in post-graduate program selection
- 2008 David Baker, DMD candidate, -HSDM  
The effect of system nicotine administration on the development of periradicular lesions in rats
- 2008 Soo-Woo Kim, DMD candidate, -HSDM  
Early response of human mesenchymal stem cells on different implant surfaces
- 2008 Mari Bae, DMD candidate, -HSDM  
Impact of provider's experience in dental procedures on patient's dental anxiety level
- 2008 Rabie Shanti, DMD candidate, -HSDM  
Response of human mesenchymal stem cells on different implant surfaces
- 2008 Sirena Shieh, DMD candidate, -HSDM  
Molecular analysis of early osseointegration in rats
- 2009 Joel Berley, DMD candidate, -HSDM  
The effect of nicotine to osseointegration, in vivo study in rats
2011. Kristina G. Dragstrem. DDS Candidate. -UIC-COD  
Gender equality in orthodontic literature and leadership
- 2012 CJ.Yoon. DDS Candidate -UIC-COD  
Title: Attachment of *Porphyromonas gingivalis* to corroded titanium discs
- 2012 Erin Cho, DDS Candidate -UIC-COD  
Title: The effect of nicotine on titanium corrosive behavior
- 2013 Ghaith Darwish, DDS Candidate -UIC-COD  
Title: Current clinical practice and confidence level of predoctoral students in tooth color selection
- 2013 Meredith Gantos, DDS Candidate -UIC-COD  
Title: Prosthodontics treatment considerations for methamphetamine-dependent patients
- 2013 Stuart R. Schelkopf, DDS Candidate -UIC-COD  
Title: Patient recall in U.S. predoctoral dental education programs and student perception of the importance of patient recall
- 2013 Justin Schneider, DDS Candidate -UIC-COD  
Title: University of Illinois at Chicago prosthodontic implant club: stimulating education
- 2014 Anthony Lotesto, DMD candidate -UIC-COD

- 2014 Title: Clinical examination and quality life of TMJ-implant patient  
Jihan Doss, DMD candidate -UIC-COD
- 2015 Title: Inter-professional education experience among US predoctoral students  
Uvoh Onoriobe, DMD candidate -UIC-COD  
Title: Assessing impact of the SMART Act cuts on the rates of Complete Dentures and Mandibular Implant-supported Overdentures (IODs) completed at the UIC COD pre-doctoral clinic.
- 2019 Adam Kwiatkowski, DMD candidate -UIC-COD  
Title: Cad-Cam Maryland Bridge, UIC Dental Student Experiences.
- 2019 Erick Quintana Raya, DMD candidate -UIC-COD  
Title: Outreach program, collaboration between Predoctoral Implant Program and Community Center.
- 2020 Divya Srinivasan, DMD candidate -UIC-COD  
Title: Oral Health Literacy for Prosthodontics Patient
- 2020 Swati Chandan, DMD candidate -UIC-COD  
Title: Oral Health Literacy for Prosthodontics Patient
- 2020 Ellie Park, DMD candidate -UIC-COD  
Title: Efficacy of Disinfectants on Silicone Maxillofacial Prostheses: a Systematic Review
- 2020 Stephanie Schreiber, DMD candidate -UIC-COD  
Title: Virtual Reality Program of Dental Implant Surgery: Student Perception
- 2020 Zawin Najah Binti Azhar  
Title: Malaysian dental students' perspective on implementation of online learning due to covid 19 pandemic- a cross sectional study  
BDS Candidate: Faculty of Dentistry. International Islamic University Malaysia, Malaysia
- 2020 Nur Hazirah Binti Yazid  
Title: Malaysian dental students' perspective on implementation of online learning due to covid 19 pandemic- a cross sectional study  
BDS Candidate: Faculty of Dentistry. International Islamic University Malaysia, Malaysia
- 2020 Nur Hasilah Binti Ismail  
Title: Knowledge, perceived risk, and the associated preventive behavior amidst covid-19 pandemic among undergraduate dental students in Malaysia  
BDS Candidate: Faculty of Dentistry. International Islamic University Malaysia, Malaysia
- 2020 Nur Yasin Maisarah Binti Abu Kassim  
Title: Knowledge, perceived risk, and the associated preventive behavior amidst covid-19 pandemic among undergraduate dental students in Malaysia  
BDS Candidate: Faculty of Dentistry. International Islamic University Malaysia, Malaysia
- 2020 Nurina Binti Sabaznur  
Title: Impact of covid-19 among dental students in Malaysia  
BDS Candidate: Faculty of Dentistry. International Islamic University Malaysia, Malaysia
- 2020 Siti Zakirah Binti Yaakop  
Title: Impact of covid-19 among dental students in Malaysia  
BDS Candidate: Faculty of Dentistry. International Islamic University Malaysia, Malaysia
- 2021 Dominique Erica Bertucci, DMD candidate -UIC-COD  
Title: e-typodont
- 2021 Javid Patel, DMD candidate -UIC-COD  
Title: e-typodont
- 2021 Jeremy Joseph, DMD candidate -UIC-COD  
Title: Multi User Virtual Simulation
- 2021 Steven B. Steiner, DMD candidate -UIC-COD  
Title: The use of VR to reduce patient's anxiety
- 2021 Susie Shin, DMD candidate -UIC-COD  
Title: Clinical Mentorship Program @ UIC-COD

### **Undergraduate Student Research:**

- 2019 Elizabeth Mansoori. UIC Undergraduate student.  
Title: Atomic Layer Deposition Technology in Medicine and Dentistry
- 2019 Sarah Junaid. UIC Undergraduate student.  
Title: The Most Cited Articles about Problem Based Learning in Dental Literatures
- 2020 Mesk Samara. UIC Undergraduate student.  
Title: Saliva as diagnostic tool in smart healthcare
- 2020 Shannon Park, UIC UIC Undergraduate student.  
Title: A literature review on the Best Way to Clean Maxillofacial Prosthesis
- 2020 Alfi Mohamed Redzwan  
Bina Nusantara University, Department of Computer Sciences, Jakarta, Indonesia  
Title: VR applications for dental brushing
- 2020 Jerdy Tjandra  
Bina Nusantara University, Department of Computer Sciences, Jakarta, Indonesia  
Title: VR applications for dental brushing
- 2020 Ryan Divas Tjahya  
Bina Nusantara University, Department of Computer Sciences, Jakarta, Indonesia  
Title: VR applications for dental brushing
- 2020 Jose Vallenchee  
Bina Nusantara University, Department of Computer Sciences, Jakarta, Indonesia  
Title: VR applications for dental brushing
- 2020 Nandi Aditya  
Bina Nusantara University, Department of Communication, Jakarta, Indonesia  
Title: VR applications for dental brushing
- 2020 Vincent Joman  
Bina Nusantara University, Department of Graphic Design, Jakarta, Indonesia  
Title: VR applications for dental brushing
- 2020 Fauzan Ihsan Kamal  
Bina Nusantara University, Department of Computer Sciences, Jakarta, Indonesia  
Title: AR application for typodont
- 2020 Nixon Louis  
Bina Nusantara University, Department of Computer Sciences, Jakarta, Indonesia  
Title: AR application for typodont
- 2020 Edbert Hans Teddy Atmaja  
Bina Nusantara University, Department of Computer Sciences, Jakarta, Indonesia  
Title: AR application for typodont
- 2020 Brian Weku  
Bina Nusantara University, Department of Computer Sciences, Jakarta, Indonesia  
Title: AR application for typodont
- 2020 Nabila  
Bina Nusantara University, Department of Communication, Jakarta, Indonesia  
Title: AR application for typodont
- 2020 Eunike Patricia  
Bina Nusantara University, Department of Graphic Design, Jakarta, Indonesia  
Title: AR application for typodont
- 2020 Ian Theodore  
Bina Nusantara University, Department of Graphic Design, Jakarta, Indonesia  
Title: AR application for typodont

### **Student Awards:**

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- 2005 Seiichi Yamano DDS, Ph.D, DMD. American College of Prosthodontist/Procter & Gamble Fellowship in Complete Denture Prosthodontics

- 2006 Michael Gerald O'Toole DMD, MMSc. 1<sup>st</sup> Place Remo Sinibaldi Memorial Table Clinic Competition, American College of Prosthodontics, Massachusetts's section
- 2007 Fatemeh Afshari DMD, HSDM 06, AGE Prosthodontics University of Illinois at Chicago 09. Student Grant Program Greater New York Academy of Prosthodontics. Project title: Patient Recall in Postgraduate Prosthodontic Programs in the United States.
- 2007 Ryan D Blissett DMD. HSDM 06, AGE Prosthodontics HSDM 09. 2007 Student Grant Program Greater New York Academy of Prosthodontics. Project title: Differential Factors that Influence Applicant Selection of a Prosthodontics Residency Program
- 2007 Seiichi Yamano DDS, Ph.D, DMD, Third Place for 2007 ACP John J. Sharry Prosthodontic Research Competition. Presentation entitled: Effects of nicotine in the plasma on wound healing and osseointegration of a titanium implant in a rat
- 2007 Kuan-Liang Chen DDS and David Baker (DMD Candidate-Class of 2008). Krakow Harvard/Forsyth Endowed Endodontic Research Fund
- 2007 Joel Berley (DMD Candidate-class of 2009). American Academy of Implant Dentistry
- 2007 Seiichi Yamano DDS, Ph.D, DMD. American College of Prosthodontist Educational Foundation
- 2008 Sirena Hsieh (HSDM DMD, class of 2008). Best Oral Scientific Presentation Award, Academy of Osseointegration 2008, Boston, MA. Project title: In Vitro Comparison of Zirconium and Titanium Discs: Proliferation, Adhesion, Morphology, and Osteogenic Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells (hMSCs)
- 2008 Rabie Shanti (HSDM DMD, class of 2008) Osteology Foundation Research Award. Project title: Implant Nanofiber Composites Enriched in Bone Marrow-Derived Mesenchymal Stem Cells for Oral and Maxillofacial Rehabilitation. Collaboration with Dr. Hyun JoonKong (University of Illinois at Urbana-Champaign).
- 2008 Sam Koo DMD. Molecular analysis of early bone healing around titanium implants, an *in vivo* studies in rats. ITI foundation, Small Research Grant.
- 2009 Fatemeh Afshari. Winner Johnson & Johnson Preventive Dentistry Award. Title: Patient Recall in Advanced Education in Prosthodontics Programs in the United States. 2009 UIC-COD Clinical and Research Day
- 2010 Valentim Barao: Finalist, 2010 IADR J. Morita Geriatric Research Award, Geriatric Research Group. Title: Corrosive Behavior of Titanium: Influence of pH and Lipopolysaccharide. IADR. Barcelona, Spain.
- 2010 Suchada Kongkiatkamon, First Place: ADEA Postdoc Research Poster presentation. 2010 ADEA, Washington DC
- 2010 Savitry Abey: Annual ICMCTF Graduate Student Award - 1<sup>st</sup> Place. Title: Tribocorrosion Behavior of CpTi: Influence of pH. International Conference on Metallurgical Coatings and Thin Films. San Diego, CA April 25-30 (Town and Country Conference Center)
- 2011 Valentim Barao. Hatton Award winner, International Association of Dental Research, Brazilian Section, September 2011. Title: Influence of corrosion on Lipopolysaccharide affinity for two titanium materials.
- 2011 Sahand Zomorrodian, First place, American Prosthodontics Society. Poster presentation. Chicago, IL
- 2011 Sahand Zomorrodian, Tylman Student Research Grant, Academy of Fixed Prosthodontics.
- 2011 Dmitry Royhman: Winner for Associate Basic Science category. Title: 2011 UIC-COD Clinic and Research Day.
- 2011 Kristie Rosengren: Winner for Clinical Science Category. Title: Gender disparity in orthodontic literature and leadership. 2011 UIC-COD Clinic and Research Day.
- 2011 Valentim Barao: Annual ICMCTF Graduate Student Award – 2<sup>nd</sup> Place. Title: What is the role of Lipopolysaccharide (LPS) on the tribocorrosive behavior of Titanium in dentistry? International Conference on Metallurgical Coatings and Thin Films. San Diego, CA April 25-30
- 2011 Valentim Barao: Finalist, 2011 IADR Arthur R. Frechette Award, Prosthodontics Research Group. Title: How Does Lipopolysaccharide Influence the Tribocorrosive Behavior of Titanium? IADR. San Diego, CA.

- . 2012 Goth Siu DMD: Student Research award from American Academy of Implant Dentistry. Research Title: Improving the pink and white esthetic scores (PES/WES) in predicting patient satisfaction of anterior implant restorations
- 2012 Goth Siu DMD: Recipient of the American Academy of Esthetic Dentistry Grant for Research in Esthetic Dentistry. Title: Improving the ability of the pink and white esthetic scores (PES/WES) in predicting patient satisfaction of anterior implant restorations-Preliminary report.
- 2012 Arman Butt, Student Research award from American Academy of Implant Dentistry: Research title: Novel Ti-V (Ti90Al6V4) Surface Modification by Thermal Oxidation and TiO<sub>2</sub> Nanotubes.
- 2012 Valentim Barao. IADR Hatton Award finalist, International Association of Dental Research, Brazil, 2012. Title: Influence of corrosion on Lipopolysaccharide affinity for two titanium materials.
- 2012 Arman Butt, 2012 IADR Post Graduate Student Research Fellowship, IADR Prosthodontic Section. IADR, Brazil 2012.
- 2012 Dmitry Royhman: Winner for Associate Basic Science category. Title: A Tribocorrosive Investigation of Commonly Used TMJ Implant Metals. 2011 UIC-COD Clinic and Research Day.
- 2013 Arman Butt. Ph.D Student, UIC. "A Novel Investigation of the Formation of TiO<sub>2</sub> Nanotubes on Thermally Formed Oxide of Ti-6Al-4V." 2<sup>nd</sup> Place for Poster Presentation and 3<sup>rd</sup> Place for Oral Presentation. 2013 American Academy of Implant Dentistry Meeting.
- 2013 Natalie Wolfson DMD. Prosthodontic Resident. -UIC-COD. Student Grant Program from Academy of Prosthodontics. Characterization and Biocompatibility of Zr-TiNT implant surfaces.
- 2013 Amy Au DDS. AGE Prosthodontics. UIC-COD. Student Grant Program from Academy of Prosthodontics. Project title: Antimicrobial effect of silver embedded titania nanotube (TiO<sub>2</sub>-NT-Ag) implant surface against Porphyromonas gingivalis
- 2013 Amy Au DDS. AGE Prosthodontics. University of Illinois at Chicago. Student Grant Program from Greater New York Academy of Prosthodontics. Project title: Antimicrobial effect of silver embedded titania nanotube (TiO<sub>2</sub>-NT-Ag) implant surface against Porphyromonas gingivalis
- 2013 Phil Hedger DMD, Second Place for Clinical Research criteria, 2013 UIC Clinical Research Day. Title: Treatment Effect on Social Engagement With Mandibular Implant Overdenture Therapy
- 2013 Gustavo Da Col dos Santos Pinto: First Place for Table Clinic Research Presentation, The American Prosthodontic Society, Chicago, 2013. Title: Exploring Suitable Surface Treatment for Ti- Dental Implants: An Electrochemical Investigation in infection like environment
- 2013 Dmitry Rohyman: Finalist: 2013 IADR Arthur R. Frechette Award from Prosthodontic Research Group. Title: A Tribocorrosive Investigation of Commonly Used TMJ Implant Metals
- 2013 Amy Au DDS: Recipient of 2013 IADR Prosthodontics Group Student Research Fellowship Title: Antimicrobial effect of silver embedded titania nanotube (TiO<sub>2</sub>-NT-Ag) implant surface against Porphyromonas gingivalis.
- 2013 Goth Siu DMD: Recipient of the Northeastern Gnathological Societies Granger-Pruden Award. Title: Improving the ability of the pink and white esthetic scores (PES/WES) in predicting patient satisfaction of anterior implant restorations.
- 2014 Natalie Baker, 2<sup>nd</sup> Place, 2014 American College of Prosthodontics meeting, New Orleans. Title: Characterization and Biocompatibility of Transparent Nanotubes on Hybrid TiZrO<sub>2</sub>
- 2014 Leonardo Perez Faverani. First Place (Graduate level) in the 8th Meeting of Brazilian Group for Recycling in Prosthodontics and Implants. Poster title: Faverani LP, Assuncao WG, de Carvalho PSP, Yuan JC, Sukotjo C, Mathew MT, Barão VA. Electrochemical analysis of Ti-6Al-4V alloy with different levels of dextrose and lipopolysaccharide.
- 2014 Stuart Schelkopf. (UIC-COD, D4 student). Award for Excellence in Clinical Research - Poster Presentation, UIC-COD Clinic and Research Day, 2014.

- 2014 Goth Siu DMD, Graduate Student Award, Clinical and Behavioral Science, Third Place, UIC-COD Clinic and Research Day, 2014.
- 2015 Amy Au DDS, (PG Prostho 2015). 2<sup>nd</sup> place for John J. Sharry Research Competition Project title: A Novel Silver-Embedded Titania Nanotubular Implant Surface. ACP 2015 annual meeting, Orlando, Florida.
- 2015 Craig Sikora DMD, (PG Prostho 3<sup>rd</sup> year). 1<sup>st</sup> in the Resident Poster Section. Project title: Wear and Corrosion at the Titanium-Zirconia Implant Abutment Interface. ACP 2015 annual meeting, Orlando, Florida.
- 2015 Jeri McCombs, (D-4) , 2<sup>nd</sup> in the Dental Student Poster Section for her project. Title. Utilizing Digital Workflow to Restore Single Tooth Implants in a Pre-Doctoral Setting. ACP 2015 annual meeting, Orlando, Florida.
- 2015 Uvoh Onoriobe, (ASDMD 2). 3<sup>rd</sup> in the Dental Student Poster Section for his project. Title: Assessing the Impact of Limiting Adult Dental Medicaid Benefits on Prosthodontic Procedures Completed at the UIC COD Predoctoral Clinic. ACP 2015 annual meeting, Orlando, Florida.
- 2015 Isabella Marques, Top 6 finalist of Hatton Award competition, International Association of Dental Research, Brazilian Section, September 2015. Title: Biomimetic coatings enhance cellular responses and tribocorrosion behavior of cpTi surfaces
- 2015 Bhavani Patel. Innovation in Basic Science Research Award. University of Illinois College of Medicine at Rockford. Project title: Electrochemical and Tribocorrosive Behavior of Ultra Nanocrystalline Diamond for Biomedical Applications.
- 2015 Virginia Hogsett. First Place for Table Clinic for Clinical Category. American Academy for Fixed Prosthodontics Annual Meeting. Title: A Prosthetic Approach for Class III Malocclusion Utilizing Fixed Complete Denture Therapy.
- 2015 Isabella Marques. Second Place for Table Clinic competition. American Prosthodontics Society Annual Meeting. Title: Surface characterization and corrosion behavior of bioactive coatings on cp-Ti surface for dental applications.
- 2015 Maria Fernanda. First Place for Table Clinic competition. American Prosthodontics Society Annual Meeting. Title: Fretting corrosion behavior of Ti6Al4V dental implant alloy: The role of fretting frequencies.
- 2015 Isabella Marques, Finalist for IADR Prosthodontic Group Research, Frechette Award. IADR Boston, MA. Title: Bioactive Coatings Produced by Microarc Oxidation: Characterization and Tribocorrosion Behavior.
- 2015 Natalie Baker, Second Place. Prosthodontic Graduate Student Oral Presentation. American Prosthodontics Society. Annual Meeting, Chicago, IL. Title: Characterization and Biocompatibility of Transparent Nanotubes on Hybrid TiZrO<sub>2</sub>
- 2015 Natalie Baker, Recipient of the Northeastern Gnathological Societies Granger-Pruden Award. Title: Characterization and Biocompatibility of Transparent Nanotubes on Hybrid TiZrO<sub>2</sub>
- 2016 Craig Sikora, Title: Wear and Corrosion at the titanium-zirconia implant abutment interfaces, 1<sup>st</sup> Place for ACP John Sharry Award, Annual ACP meeting, San Diego, October 5-8.
- 2016 Virginia Hogsett, Title: Prosthetic Complications of Implant-Supported full arch prostheses: A comparison. 2<sup>nd</sup> Place for ACP John Sharry Award, Annual ACP meeting, San Diego, October 5-8.
- 2016 Alec Zuric, Title: The Wear Characteristics and Volume Loss of Different CAD/CAM Materials. Finalist for ACP John Sharry Award, Annual ACP meeting, San Diego, October 5-8.
- 2016 Uvoh Onoriobe (Predoc). Clinical and Translational Sciences. 2<sup>nd</sup> place. UIC-COD Clinic and Research Day. Title: Limited Adult Dental Medicaid Benefits Impact on Receipt of Prosthodontic Procedures
- 2016 Uvoh Onoriobe (Predoc). CCTS Award. 1<sup>st</sup> Place. UIC-COD Clinic and Research Day. Title: Limited Adult Dental Medicaid Benefits Impact on Receipt of Prosthodontic Procedures
- 2016 Jeri McCombs (Predoc). Case Report, 1<sup>st</sup>. place. UIC-COD Clinic and Research Day. Title: Utilizing Digital workflow to restore single tooth implants in a predoctoral setting.

- 2016 Virginia Hogsett: 3<sup>rd</sup> Place. Post Graduate Clinical Fellows. Clinical and Behavioral Sciences. UIC-COD Clinic and Research Day. Title: Prosthetic Complications of Implant-Supported full arch prostheses: A comparison
- 2016 Craig Sikora, Wear and Corrosion at the titanium-zirconia implant abutment interfaces, 2<sup>nd</sup> place for Prosthodontics Resident Oral Presentation, American Prosthodontic Society Meeting, February 25-26, Chicago.
- 2016 Craig Sikora, Wear and Corrosion at the titanium-zirconia implant abutment interfaces, First place for Prosthodontics Resident Table Clinic, Research Category, American Academy of Fixed Prosthodontic Meeting, February 26-27, Chicago.
- 2016 Sweetu Patel (Ph.D Student), VitaminD-eluting Titania nanotubes (VD-TNTs) (One of the top 4 table clinic presentations in research category), American Prosthodontic Society Meeting, February 25-26, Chicago.
- 2016 Sweetu Patel (Ph.D Student), Outstanding Scholarship Award, Department of Mechanical Engineering, Michigan Technological University, Houghton, Michigan.
- 2017 Saad S. Alresayes, ACP Sharry Award Finalist. Title: Corrosion Behavior of Ti15Zr (Roxolid®) Dental Implant Alloy Compared to CpTi and Ti6Al4V Alloys. ACP 2017. San Francisco.
- 2017 Ghaith Darwis. 2<sup>nd</sup> Place. ACP Sharry Award. Title: Improving Polymethyl Methacrylate using Novel Nano Ceramic Coating. ACP 2017. San Francisco.
- 2017 Abhijith Segu, Best Innovation in Basic Science Research Award. Title: Development of electrochemical tool for quick and efficient eradication of root canal infection. University of Illinois at Rockford, School of Medicine.
- 2017 Saad S. Alresayes, 2<sup>nd</sup> Place. Post Graduate Clinical Fellows. Clinical and Behavioral Sciences. UIC-COD Clinic and Research Day. Title: Corrosion Behavior of Ti15Zr (Roxolid®) Dental Implant Alloy Compared to CpTi and Ti6Al4V Alloys
- 2018 Yale Cho. Title: Determining the Perceptibility and Acceptability Threshold of the Relative Translucency Parameter for Porcelain Crowns. American College of Prosthodontists Education Foundation (ACPEF)
- 2018 Laura Koo Min Chee. Title: Effect of Nano Ceramic Coating on Color Acceptability and Perceptibility of Polymethylmethacrylate: In Vitro and Clinical Study. American College of Prosthodontists Education Foundation (ACPEF)
- 2018 Laura Koo Min Chee, Osseointegration Foundation Travel Grant Award Winner. Academy of Osseointegration
- 2018 Ghaith Darwis. 2<sup>nd</sup> Place. ACP Sharry Award. Title: Improving Polymethyl Methacrylate using Novel Nano Ceramic Coating. American Prosthodontic Society meeting, 2018, Chicago.
- 2019 Laura Koo Min Chee. Title: Color Evaluation of Polymethylmethacrylate with a novel ceramic coating: In vitro and Clinical study. First place for Prosthodontics Resident Table Clinic, Research Category, American Academy of Fixed Prosthodontic Meeting, February 22-23, Chicago.
- 2019 Edward Song. Endodontic resident. Title: Efficacy of Microelectronic Device against Endodontic Biofilm using a Tooth-Model. Basic/Basic Translational Science. Best Resident Fellow. UIC COD Clinic and Research Day.
- 2019 Elizabeth Mansoori. UIC Undergraduate student. Title: Atomic Layer Deposition Technology in Medicine and Dentistry. Best Literature Review. Best Undergraduate. UIC COD Clinic and Research Day.
- 2019 Jun Soo Shin, The Greater New York Academy of Prosthodontics Student Research Grant. Project title: Implant Microbiome Characterization of Cement vs Screw Retained Prosthesis: Randomized Control Trial.
- 2019 Megan Koennecke, The Greater New York Academy of Prosthodontics Student Research Grant. Project title: Bacterial diversity and attachment of silver-coated titanium using ALD technology, in vivo study.

- 2019 James Pizzo, American Academy of Fixed Prosthodontics Student Research Award. Project title: Microbiome Analysis of Biofilms in Patients with Zirconia and Acrylic-Titanium Fixed Complete Denture Prostheses
- 2020 Sarah Hashemiastaneh, Title: Silver Nano Particles Deposited on Collagen Membrane via Atomic Layer Deposition: Characterization and Biocompatibility First Place, Digital Poster for Research Category, American Prosthodontic Society, Chicago, IL
- 2020 Ahmad Watsiq Maula. Title: Edentulism in Aging Population: Study from Indonesia. Best Graduate Student for Population Health Sciences Category. UIC, College of Dentistry, Clinical and Research Day.
- 2020 Adam Kwiakowski. Title: Single-Retainer Cad/Cam Resin Bonded Fxed Partial Denture. Best Dental Student for Case report Category. UIC, College of Dentistry, Clinical and Research Day.
- 2020 Mesk Samara. Title: Saliva as diagnostic tool in smart healthcare. Best Undergraduate Student for Literature Review category. UIC, College of Dentistry, Clinical and Research Day.
- 2020 Sarah Hashemi Astaneh, Title: Thermal atomic layer deposition of thin films on biological Substrates. Award for Graduate Research and the Deiss Award in Biomedical Graduate Research. The Graduate College, UIC.
- 2020 Divya Srinivasan, DMD candidate, Title: Why Your Dentist Wants You To Get The HPV Vaccine. Honorable Mention. Health Literacy Essay Competition, UIC, College of Dentistry.
- 2021 Dominique Bertucci. Best Dental Student Presentation for Literature Review. Title: Virtual Reality: Combating Dental Anxiety in the Pediatric Patient. UIC, College of Dentistry, Clinical and Research Day.
- 2021 Dominique Bertucci. Best Literature Review. ISDS Foundation. Dental Student Award. Title: Virtual Reality: Combating Dental Anxiety in the Pediatric Patient. UIC, College of Dentistry, Clinical and Research Day.
- 2021 Steven Steiner. Best Dental Student Presentation for Literature Review. Title: Virtual Reality to Relieve Dental Anxiety: A Literature Review. UIC, College of Dentistry, Clinical and Research Day.
- 2021 Angela Xu. Best Pre-Dental Student Presentation for Literature Review. Title: Peri-implantitis and Implant Corrosion: A Comprehensive Review and Future Direction: A Literature Review. UIC, College of Dentistry, Clinical and Research Day.
- 2021 Mostafa Alhamad. First Place for IADR Frechette Award, Prosthodontic Section. Title: Ti-ions and/or Particles in Saliva Potentially Aggravate Dental Implant Corrosion.

## Patent

1. I Nishimura, C Sukotjo, US Patent 7,365,175
2. Biofunctionalization of Collagen Membrane with Thin Film of TiO<sub>2</sub> Deposited Using Atomic Layer Deposition Technique to Accelerate Bone Formation Process. Cortino Sukotjo, Arghya Bishal and Christos Takoudis. US Provisional Patent Application No. 62/686,238
3. An Electrochemical System, Method and Device for Eradication of Bacterial Infection in Dental Procedures. Cortino Sukotjo, Mathew Mathew and Qian Xie. US Provisional Patent Application will be submitted by UIC OTM.

## Selected peer-reviewed publications (in chronological order)

| No | Year | Publications.                                                                                                                                                                                                         |
|----|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | 2000 | Reichenberger E, Baur S, <b>Sukotjo C</b> , Olsen BR, Karimbux NY, Nishimura I. Collagen XII mutation disrupts matrix structure of periodontal ligament and skin. Journal of dental research. 2000 Dec;79(12):1962-8. |
| 2  | 2002 | Ogawa T, Ozawa S, Shih JH, Ryu KH, <b>Sukotjo C</b> , Yang JM, Nishimura I.                                                                                                                                           |

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|     |      | Biomechanical evaluation of osseous implants having different surface topographies in rats. <i>Journal of dental research</i> . 2000 Nov;79(11):1857-63.                                                                                                                                                                                               |
| 3   | 2002 | Ozawa S, Ogawa T, Iida K, <b>Sukotjo C</b> , Hasegawa H, Nishimura RD, Nishimura I. Ovariectomy hinders the early stage of bone-implant integration: histomorphometric, biomechanical, and molecular analyses. <i>Bone</i> . 2002 Jan 1;30(1):137-43.                                                                                                  |
| 4   | 2002 | <b>Sukotjo C</b> , Abanmy AA, Ogawa T, Nishimura I. Molecular cloning of wound inducible transcript (wit 3.0) differentially expressed in edentulous oral mucosa undergoing tooth extraction wound-healing. <i>Journal of dental research</i> . 2002 Apr;81(4):229-35.                                                                                 |
| 5   | 2002 | Ogawa T, <b>Sukotjo C</b> , Nishimura I. Modulated bone matrix-related gene expression is associated with differences in interfacial strength of different implant surface roughness. <i>Journal of Prosthodontics</i> . 2002 Dec;11(4):241-7.                                                                                                         |
| 6   | 2003 | Eilber KS, <b>Sukotjo C</b> , Raz S, Nishimura I. Alteration of collagen three-dimensional architecture in noncompliant human urinary bladder. <i>Adv Exp Med Biol</i> . 2003;539(Pt B):791-801.                                                                                                                                                       |
| 7   | 2003 | <b>Sukotjo C</b> , Lin A, Song K, Ogawa T, Wu B, Nishimura I. Oral fibroblast expression of wound-inducible transcript 3.0 (wit3.0) accelerates the collagen gel contraction in vitro. <i>Journal of Biological Chemistry</i> . 2003 Dec 19;278(51):51527-34.                                                                                          |
| 8   | 2004 | <b>Sukotjo C</b> , Radics A. Use of vinyl polysiloxane for the fabrication of implant surgical guide. <i>Journal of Prosthetic Dentistry</i> . 2004 Dec 1;92(6):596-7.                                                                                                                                                                                 |
| 9   | 2006 | <b>Sukotjo C</b> , Bocage V. Simplified Fabrication of Surgical Template for Orthodontic-Implant Treatment. <i>Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry</i> . 2006 Jan;15(1):59-60.                                                                                                                                   |
| 10  | 2007 | Weber HP, <b>Sukotjo C</b> . Does the type of implant prosthesis affect outcomes in the partially edentulous patient?. <i>International Journal of Oral &amp; Maxillofacial Implants</i> . 2007 Nov 2;22(7).                                                                                                                                           |
| 11  | 2007 | <b>Sukotjo C</b> , Thammasitboon K, Howell H, Karimbux N. The impact of targeted shortened preclinical exercises on student perceptions and outcomes. <i>Journal of dental education</i> . 2007 Aug;71(8):1070-9.                                                                                                                                      |
| 12  | 2007 | Thammasitboon K, <b>Sukotjo C</b> , Howell H, Karimbux N. Problem-based learning at the Harvard School of Dental Medicine: self-assessment of performance in postdoctoral training. <i>Journal of Dental Education</i> . 2007 Aug;71(8):1080-9.                                                                                                        |
| 13  | 2008 | <b>Sukotjo C</b> , Thammasitboon K, Howell H, Karimbux N. Students' perceptions of prosthodontics in a PBL hybrid curriculum. <i>Journal of Prosthodontics</i> . 2008 Aug;17(6):495-501.                                                                                                                                                               |
| 14  | 2008 | <b>Sukotjo C</b> , Arbree NS. Prosthodontic program directors' perceptions regarding implant placement by prosthodontic residents: a 2004 survey conducted by the Educational Policy Subcommittee of the American College of Prosthodontists. <i>Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry</i> . 2008 Dec;17(8):662-8. |
| 15* | 2008 | Saeed S, Jimenez M, Howell H, Karimbux N, <b>Sukotjo C</b> . Which factors influence students' selection of advanced graduate programs? One institution's experience. <i>Journal of dental education</i> . 2008 Jun;72(6):688-97.                                                                                                                      |
| 16* | 2009 | Blissett R, Lee MC, Jimenez M, <b>Sukotjo C</b> . Differential factors that influence applicant selection of a prosthodontic residency program. <i>Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry</i> . 2009 Apr;18(3):283-8.                                                                                               |
| 17* | 2010 | Al-Sowygh ZH, <b>Sukotjo C</b> . Advanced education in prosthodontics: residents' perspectives on their current training and future goals. <i>Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry</i> . 2010                                                                                                                     |

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|     |      | Feb;19(2):150-6.                                                                                                                                                                                                                                                                                    |
| 18* | 2010 | Afshari FS, Koslow AH, Knoernschild KL, <b>Sukotjo C</b> . Patient recall in advanced education in prosthodontics programs in the United States. Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry. 2010 Jun;19(4):315-20.                                                  |
| 19  | 2010 | Yuan JC, Lee DJ, Knoernschild KL, Campbell SD, <b>Sukotjo C</b> . Resident selection criteria for advanced education in prosthodontic programs: program directors' perspective. Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry. 2010 Jun;19(4):307-14.                   |
| 20* | 2010 | Berley J, Yamano S, <b>Sukotjo C</b> . The effect of systemic nicotine on osseointegration of titanium implants in the rat femur. Journal of Oral Implantology. 2010 Jun;36(3):185-93.                                                                                                              |
| 21* | 2010 | Yamano S, Nissenbaum M, Dodson TB, Gallucci GO, <b>Sukotjo C</b> . Multidisciplinary treatment for a young patient with severe maxillofacial trauma from a snowmobile accident: a case report. Journal of oral implantology. 2010 Apr;36(2):141-4.                                                  |
| 22  | 2010 | Yuan JC, Lee DJ, Knoernschild KL, Campbell SD, <b>Sukotjo C</b> . Residents' perceptions of implant surgical training in advanced education in prosthodontic programs. Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry. 2010 Oct;19(7):557-64.                            |
| 23* | 2010 | Kongkiatkamon S, Yuan JC, Lee DJ, Knoernschild KL, Campbell SD, <b>Sukotjo C</b> . Gender disparities in prosthodontics: authorship and leadership, 13 years of observation. Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry. 2010 Oct;19(7):565-70.                      |
| 24  | 2010 | Yuan JC, Lee DJ, Kongkiatkamon S, Ross S, Prasad S, Koerber A, <b>Sukotjo C</b> . Gender trends in dental leadership and academics: a twenty-two-year observation. Journal of dental education. 2010 Apr;74(4):372-80.                                                                              |
| 25* | 2010 | Yamano S, Berley JA, Kuo WP, Gallucci GO, Weber HP, <b>Sukotjo C</b> . Effects of nicotine on gene expression and osseointegration in rats. Clinical oral implants research. 2010 Dec;21(12):1353-9.                                                                                                |
| 26* | 2011 | Al-Sowygh ZH, <b>Sukotjo C</b> . Foreign-trained dentists in advanced education in prosthodontics programs in the United States: demographics, perspectives on current training, and future goals. Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry. 2011 Feb;20(2):161-5. |
| 27  | 2011 | Lee DJ, Harlow RF, Yuan JC, <b>Sukotjo C</b> , Knoernschild KL, Campbell SD. Three-year clinical outcomes of implant treatments provided at a predoctoral implant program. International Journal of Prosthodontics. 2011 Jan 1;24(1).                                                               |
| 28  | 2010 | <b>Sukotjo C</b> , Yuan JC, Bordage G. A content analysis of dental education research as reported in two journals. Journal of dental education. 2010 Oct;74(10):1106-12.                                                                                                                           |
| 29  | 2011 | Yuan JC, Lee DJ, Knoernschild KL, Campbell SD, <b>Sukotjo C</b> . Authorship characteristics in prosthodontic literature: proliferation and internationalization. A review and analysis following a 10-year observation. The Journal of prosthetic dentistry. 2010 Sep 1;104(3):158-64.             |
| 30  | 2011 | Lee DJ, Yuan JC, Knoernschild KL, Campbell SD, <b>Sukotjo C</b> . Research in prosthodontics: a 10-year observation of trends in topics, collaboration, and funding. International Journal of Prosthodontics. 2011 Sep 1;24(5).                                                                     |
| 31* | 2011 | Yamano S, Al-Sowygh ZH, Gallucci GO, Wada K, Weber HP, <b>Sukotjo C</b> . Early peri-implant tissue reactions on different titanium surface topographies. Clinical oral implants research. 2011 Aug;22(8):815-9.                                                                                    |
| 32* | 2011 | Barão VA, Shyamsunder N, Yuan JC, Lee DJ, Assunção WG, <b>Sukotjo C</b> . Authorship, collaboration, and funding trends in implantology literature: analysis of five journals from 2005 to 2009. Implant dentistry. 2011 Feb                                                                        |

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|     |      | 1;20(1):68-75.                                                                                                                                                                                                                                                                                        |
| 33  | 2011 | Galang MT, Yuan JC, Lee DJ, Barao VA, Shyamsunder N, <b>Sukotjo C</b> . Factors influencing publication rates of abstracts presented at the ADEA annual session & exhibition. Journal of dental education. 2011 Apr;75(4):549-56.                                                                     |
| 34  | 2011 | Barao VA, Mathew MT, Assunção WG, Yuan JC, Wimmer MA, <b>Sukotjo C</b> . The role of lipopolysaccharide on the electrochemical behavior of titanium. Journal of dental research. 2011 May;90(5):613-8.                                                                                                |
| 35* | 2011 | Yuan JC, Kaste LM, Lee DJ, Harlow RF, Knoernschild KL, Campbell SD, <b>Sukotjo C</b> . Dental student perceptions of predoctoral implant education and plans for providing implant treatment. Journal of dental education. 2011 Jun;75(6):750-60.                                                     |
| 36* | 2011 | Yamano S, Kwok-Yui Ma A, Shanti RM, Kim SW, Wada K, <b>Sukotjo C</b> . The influence of different implant materials on human gingival fibroblast morphology, proliferation, and gene expression. International Journal of Oral & Maxillofacial Implants. 2011 Dec 1;26(6).                            |
| 37  | 2011 | Galang MT, Yuan JC, Lee DJ, <b>Sukotjo C</b> . Applicant selection procedures for orthodontic specialty programs in the United States: Survey of program directors. American journal of orthodontics and dentofacial orthopedics. 2011 Dec 1;140(6):822-7.                                            |
| 38  | 2011 | Chia-Chun Yuan J, Shyamsunder N, Adelino Ricardo Barão V, Lee DJ, <b>Sukotjo C</b> . Publication bias in five dental implant journals: an observation from 2005 to 2009. International Journal of Oral & Maxillofacial Implants. 2011 Oct 1;26(5).                                                    |
| 39* | 2011 | Yuan JC, Galang MT, Lee DJ, Barao VA, Shyamsunder N, <b>Sukotjo C</b> . Differences between ADEA Annual Session poster abstracts and their corresponding full published articles. Journal of dental education. 2011 Nov;75(11):1476-81.                                                               |
| 40* | 2012 | Thornton K, Lee DJ, Yuan JC, Knoernschild KL, Campbell SD, <b>Sukotjo C</b> . An analysis of prosthodontic research productivity: geographic, economic, and collaborative perspective. Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry. 2012 Jan;21(1):73-8.                |
| 41* | 2012 | Barão VA, Mathew MT, Assunção WG, Yuan JC, Wimmer MA, <b>Sukotjo C</b> . Stability of cp-Ti and Ti-6 Al-4 V alloy for dental implants as a function of saliva pH—an electrochemical study. Clinical oral implants research. 2012 Sep;23(9):1055-62.                                                   |
| 42  | 2012 | Mathew MT, Abbey S, Hallab NJ, Hall DJ, <b>Sukotjo C</b> , Wimmer MA. Influence of pH on the tribocorrosion behavior of CpTi in the oral environment: synergistic interactions of wear and corrosion. Journal of Biomedical Materials Research Part B: Applied Biomaterials. 2012 Aug;100(6):1662-71. |
| 43  | 2012 | Yuan JC, Afshari FS, Lee DJ, <b>Sukotjo C</b> . The impact of obesity on prosthodontic treatment. Gen Dent. 2012 Nov 1;60(6):526-33.                                                                                                                                                                  |
| 44  | 2012 | Dragstrem KG, Yuan JC, Lee DJ, <b>Sukotjo C</b> , Galang MT. Gender equality in orthodontic literature and leadership in the United States. ORTHODONTICS: The Art & Practice of Dentofacial Enhancement. 2012 Mar 1;13(1).                                                                            |
| 45  | 2012 | Mathew MT, Barão VA, Yuan JC, Assunção WG, <b>Sukotjo C</b> , Wimmer MA. What is the role of lipopolysaccharide on the tribocorrosive behavior of titanium?. Journal of the mechanical behavior of biomedical materials. 2012 Apr 1;8:71-85.                                                          |
| 46  | 2012 | Prasad S, Lee DJ, Yuan JC, Barao VA, Shyamsunder N, <b>Sukotjo C</b> . Discrepancies between abstracts presented at International Association for Dental Research annual sessions from 2004 to 2005 and full-text publication. International journal of dentistry. 2012 Jan 1;2012.                   |
| 47  | 2012 | Yuan JC, Lee DJ, Afshari FS, Galang MT, <b>Sukotjo C</b> . Dentistry and obesity: a                                                                                                                                                                                                                   |

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|     |      | review and current status in US predoctoral dental education. Journal of dental education. 2012 Sep;76(9):1129-36.                                                                                                                                                                                                                                           |
| 48  | 2012 | Lee DJ, Yuan JC, Prasad S, Barão VA, Shyamsunder N, <b>Sukotjo C</b> . Analysis of abstracts presented at the prosthodontic research section of IADR general sessions 2004–2005: demographics, publication rates, and factors contributing to publication. Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry. 2012 Apr;21(3):225-31. |
| 49* | 2012 | Barão VA, Shyamsunder N, Chia-Chun Yuan J, Knoernschild KL, Assunção WG, <b>Sukotjo C</b> . Trends in funding, internationalization, and types of study for original articles published in five implant-related journals between 2005 and 2009. International Journal of Oral & Maxillofacial Implants. 2012 Jan 1;27(1).                                    |
| 50  | 2013 | Friedrich CR, Kolati M, Moser T, <b>Sukotjo C</b> , Shokuhfar T. Survivability of TiO <sub>2</sub> nanotubes on the surface of bone screws. Surface Innovations. 2014 Mar;2(1):60-8.                                                                                                                                                                         |
| 51* | 2013 | Chan CT, <b>Sukotjo C</b> , Gehrke KW, Yuan JC, Campbell SD, Clark DM, Fayz F. Laboratory quality assurance in the Department of Restorative Dentistry at the University of Illinois at Chicago, College of Dentistry. Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry. 2013 Jan;22(1):85-91.                                      |
| 52  | 2013 | Barias PA, Lee DJ, Yuan JC, <b>Sukotjo C</b> , Campbell SD, Knoernschild KL. Retrospective analysis of dental implants placed and restored by advanced prosthodontic residents. Journal of Prosthodontics: Implant, Esthetic and Reconstructive Dentistry. 2013 Feb;22(2):157-63.                                                                            |
| 53* | 2013 | Ashy LM, <b>Sukotjo C</b> . Prosthodontic and surgical management of a completely edentulous patient with a severe class iii skeletal maxillomandibular relationship: A clinical report. Journal of Prosthodontics. 2013 Aug;22(6):490-4.                                                                                                                    |
| 54* | 2013 | Yamano S, Kuo WP, <b>Sukotjo C</b> . Downregulated gene expression of TGF- $\beta$ s in diabetic oral wound healing. Journal of Cranio-Maxillofacial Surgery. 2013 Mar 1;41(2):e42-8.                                                                                                                                                                        |
| 55  | 2013 | Ariani N, Mursid S, Odang RW, <b>Sukotjo C</b> , Kusdhany LS. Indonesian undergraduate dental students' perceptions toward implant treatment and education. Journal of investigative and clinical dentistry. 2013 May;4(2):107-12.                                                                                                                           |
| 56* | 2013 | Yuan JC, <b>Sukotjo C</b> . Occlusion for implant-supported fixed dental prostheses in partially edentulous patients: a literature review and current concepts. Journal of periodontal & implant science. 2013 Apr;43(2):51.                                                                                                                                 |
| 57* | 2013 | Barão VA, Mathew MT, Yuan JC, Knoernschild KL, Assunção WG, Wimmer MA, <b>Sukotjo C</b> . Influence of corrosion on lipopolysaccharide affinity for two different titanium materials. The Journal of prosthetic dentistry. 2013 Dec 1;110(6):462-70.                                                                                                         |
| 58* | 2013 | Royhman D, Yuan JC, Shokuhfar T, Takoudis C, <b>Sukotjo C</b> , Mathew MT. Tribocorrosive behaviour of commonly used temporomandibular implants in a synovial fluid-like environment: Ti–6Al–4V and CoCrMo. Journal of Physics D: Applied Physics. 2013 Sep 19;46(40):404002.                                                                                |
| 59* | 2013 | Patel S, Butt A, Tao Q, Royhman D, <b>Sukotjo C</b> , Takoudis CG. Novel functionalization of Ti-V alloy and Ti-II using atomic layer deposition for improved surface wettability. Colloids and Surfaces B: Biointerfaces. 2014 Mar 1;115:280-5                                                                                                              |
| 60  | 2013 | Shokuhfar T, Sinha-Ray S, <b>Sukotjo C</b> , Yarin AL. Intercalation of anti-inflammatory drug molecules within TiO <sub>2</sub> nanotubes. Rsc Advances. 2013;3(38):17380-6.                                                                                                                                                                                |
| 61  | 2014 | Afshari FS, Yuan JC, Quimby A, Harlow R, Campbell SD, <b>Sukotjo C</b> . Advanced predoctoral implant program at UIC: description and qualitative                                                                                                                                                                                                            |

|     |      |                                                                                                                                                                                                                                                                                          |
|-----|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |      | analysis. Journal of dental education. 2014 May;78(5):770-8.                                                                                                                                                                                                                             |
| 62* | 2014 | Taylor EJ, Yuan JC, Lee DJ, Harlow R, Afshari FS, Knoernschild KL, Campbell SD, <b>Sukotjo C</b> . Are predoctoral students able to provide single tooth implant restorations in the maxillary esthetic zone?. Journal of dental education. 2014 May;78(5):779-88.                       |
| 63* | 2014 | Barão VA, Yoon CJ, Mathew MT, Yuan JC, Wu CD, <b>Sukotjo C</b> . Attachment of Porphyromonas gingivalis to corroded commercially pure titanium and titanium-aluminum-vanadium alloy. Journal of periodontology. 2014 Sep;85(9):1275-82.                                                  |
| 64  | 2014 | Afshari FS, Schelkopf S, Yuan JC, Marinis A, Syros G, Campbell SD, <b>Sukotjo C</b> . Current status of patient recall in US predoctoral dental school clinics. Journal of dental education. 2014 Oct;78(10):1372-8.                                                                     |
| 65* | 2014 | Royhman D, Radhakrishnan R, Yuan JC, Mathew MT, Mercuri LG, <b>Sukotjo C</b> . An electrochemical investigation of TMJ implant metal alloys in an artificial joint fluid environment: the influence of pH variation. Journal of Cranio-Maxillofacial Surgery. 2014 Oct 1;42(7):1052-61.  |
| 66* | 2014 | Bell LT, <b>Sukotjo C</b> , Yuan JC, Johnson BR. Applicant selection procedures in endodontic specialty programs in the United States: program director's perspective. Journal of endodontics. 2014 Jun 1;40(6):797-804.                                                                 |
| 67* | 2014 | Mathew MT, Kerwell S, Lundberg HJ, <b>Sukotjo C</b> , Mercuri LG. Tribocorrosion and oral and maxillofacial surgical devices. British Journal of Oral and Maxillofacial Surgery. 2014 May 1;52(5):396-400.                                                                               |
| 68* | 2015 | Butt A, Hamlekhan A, Patel S, Royhman D, <b>Sukotjo C</b> , Mathew MT, Shokuhfar T, Takoudis C. A novel investigation of the formation of titanium oxide nanotubes on thermally formed oxide of Ti-6Al-4V. Journal of Oral Implantology. 2015 Oct;41(5):523-31.                          |
| 69* | 2014 | Faverani LP, Assunção WG, de Carvalho PS, Yuan JC, <b>Sukotjo C</b> , Mathew MT, Barao VA. Effects of dextrose and lipopolysaccharide on the corrosion behavior of a Ti-6Al-4V alloy with a smooth surface or treated with double-acid-etching. PloS one. 2014 Mar 26;9(3):e93377.       |
| 70* | 2014 | Hamlekhan A, Butt A, Patel S, Royhman D, Takoudis C, <b>Sukotjo C</b> , Yuan J, Jursich G, Mathew MT, Hendrickson W, Viridi A. Fabrication of anti-aging TiO <sub>2</sub> nanotubes on biomedical Ti alloys. PloS one. 2014 May 2;9(5):e96213.                                           |
| 71  | 2014 | Faverani LP, Barao VA, Pires MF, Yuan JC, <b>Sukotjo C</b> , Mathew MT, Assunção WG. Corrosion kinetics and topography analysis of Ti-6Al-4V alloy subjected to different mouthwash solutions. Materials Science and Engineering: C. 2014 Oct 1;43:1-0.                                  |
| 72  | 2014 | Shokuhfar T, Hamlekhan A, Chang JY, Choi CK, <b>Sukotjo C</b> , Friedrich C. Biophysical evaluation of cells on nanotubular surfaces: the effects of atomic ordering and chemistry. International journal of nanomedicine. 2014;9:3737.                                                  |
| 73* | 2014 | Abey S, Mathew MT, Lee DJ, Knoernschild KL, Wimmer MA, <b>Sukotjo C</b> . Electrochemical behavior of titanium in artificial saliva: influence of pH. Journal of Oral Implantology. 2014 Feb 1;40(1):3-10.                                                                               |
| 74* | 2014 | K Rossman P, Dube A, Shokufar T, Takoudis C, <b>Sukotjo C</b> , T Mathew M. Tribocorrosion Apparatus for Biomedical Applications: Development and Initial Outcomes. Innovations in Corrosion and Materials Science (Formerly Recent Patents on Corrosion Science). 2014 Jun 1;4(1):21-8. |
| 75* | 2014 | Hamlekhan A, Butt A, Patel S, Royhman D, Takoudis C, <b>Sukotjo C</b> , Mathew M, Shokuhfar T. Recent progress toward surface modification of bone/dental implants with titanium and zirconia dioxide nanotubes. Journal of Nanotechnology and Smart Materials. 2014;1:1-4.              |
| 76  | 2014 | Marinis A, Afshari FS, Yuan JC, Lee DJ, Syros G, Knoernschild KL, Campbell SD, <b>Sukotjo C</b> . Retrospective analysis of implant overdenture treatment in the advanced prosthodontic clinic at the University of Illinois at Chicago.                                                 |

|     |      |                                                                                                                                                                                                                                                                                                                             |
|-----|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |      | Journal of Oral Implantology. 2016 Feb;42(1):46-53.                                                                                                                                                                                                                                                                         |
| 77* | 2014 | Patel SB, Hamlekhan A, Royhman D, Butt A, Yuan J, Shokuhfar T, <b>Sukotjo C</b> , Mathew MT, Jursich G, Takoudis CG. Enhancing surface characteristics of Ti-6Al-4V for bio-implants using integrated anodization and thermal oxidation. Journal of Materials Chemistry B. 2014;2(23):3597-608.                             |
| 78* | 2015 | Royhman D, Dominguez-Benetton X, Yuan JC, Shokuhfar T, Takoudis C, Mathew MT, <b>Sukotjo C</b> . The Role of Nicotine in the Corrosive Behavior of a Ti-6 Al-4 V Dental Implant. Clinical implant dentistry and related research. 2015 Oct;17:e352-63.                                                                      |
| 79  | 2015 | Lee DJ, Yuan JC, Hedger PJ, Taylor EJ, Harlow RF, Knoernschild KL, Campbell SD, <b>Sukotjo C</b> . Patient perception and satisfaction with implant therapy in a predoctoral implant education program: a preliminary study. Journal of Prosthodontics. 2015 Oct;24(7):525-31.                                              |
| 80  | 2015 | Rynn MH, Afshari FS, Schneider J, Yuan JC, Harlow R, Knoernschild KL, Campbell SD, <b>Sukotjo C</b> . Prosthodontic Implant Club at UIC, Program Description and Survey Analysis. Journal of Prosthodontics. 2015 Dec;24(8):665-71.                                                                                         |
| 81* | 2015 | Gantos MA, Manzotti A, Yuan JC, Afshari FS, Marinis A, Syros G, Rynn MH, <b>Sukotjo C</b> . Prosthodontics treatment considerations for methamphetamine-dependent patients. Journal of prosthodontics. 2015 Jan;24(1):64-70.                                                                                                |
| 82* | 2015 | Butt A, Lucchiari NB, Royhman D, Runa MJ, Mathew MT, <b>Sukotjo C</b> , Takoudis CG. Design, development, and testing of a compact tribocorrosion apparatus for biomedical applications. Journal of Bio-and Tribo-Corrosion. 2015 Mar 1;1(1):4.                                                                             |
| 83  | 2015 | Mercuri LG, Mathew MT, Kerwell S, Lundberg H, <b>Sukotjo C</b> . Temporomandibular Joint Replacement Device Research Wear and Corrosion Technology Transfer from Orthopedics. Journal of Bio-and Tribo-Corrosion. 2015 Mar 1;1(1):3.                                                                                        |
| 84* | 2015 | Khan S, Carmosino AJ, Yuan JC, Lucchiari Jr N, Kavar N, <b>Sukotjo C</b> . Postdoctoral periodontal program directors' perspectives of resident selection. Journal of periodontology. 2015 Feb;86(2):177-84.                                                                                                                |
| 85* | 2015 | Patel S, Solitro GF, <b>Sukotjo C</b> , Takoudis C, Mathew MT, Amirouche F, Shokuhfar T. Nanotopography and surface stress analysis of Ti6Al4V bioimplant: an alternative design for stability. JOM. 2015 Nov;67(11):2518-33.                                                                                               |
| 86* | 2015 | Hamlekhan A, Sinha-Ray S, Takoudis C, Mathew MT, <b>Sukotjo C</b> , Yarin AL, Shokuhfar T. Fabrication of drug eluting implants: study of drug release mechanism from titanium dioxide nanotubes. Journal of Physics D: Applied Physics. 2015 Jun 10;48(27):275401.                                                         |
| 87* | 2015 | Barão VA, Ricomini-Filho AP, Faverani LP, Cury AA, <b>Sukotjo C</b> , Monteiro DR, Yuan JC, Mathew MT, do Amaral RC, Mesquita MF, da Silva WJ. The role of nicotine, cotinine and caffeine on the electrochemical behavior and bacterial colonization to cp-Ti. Materials Science and Engineering: C. 2015 Nov 1;56:114-24. |
| 88* | 2015 | Marques ID, Barão VA, da Cruz NC, Yuan JC, Mesquita MF, Ricomini-Filho AP, <b>Sukotjo C</b> , Mathew MT. Electrochemical behavior of bioactive coatings on cp-Ti surface for dental application. Corrosion science. 2015 Nov 1;100:133-46.                                                                                  |
| 89* | 2015 | Marques ID, da Cruz NC, Landers R, Yuan JC, Mesquita MF, <b>Sukotjo C</b> , Mathew MT, Barão VA. Incorporation of Ca, P, and Si on bioactive coatings produced by plasma electrolytic oxidation: The role of electrolyte concentration and treatment duration. Biointerphases. 2015 Dec 7;10(4):041002.                     |
| 90* | 2015 | Lotesto A, Miloro M, Mercuri LG, <b>Sukotjo C</b> . Are oral and maxillofacial                                                                                                                                                                                                                                              |

|      |      |                                                                                                                                                                                                                                                                                                                                            |
|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |      | surgery residents trained adequately in alloplastic total temporomandibular joint replacement?. Journal of Oral and Maxillofacial Surgery. 2016 Apr 1;74(4):712-8.                                                                                                                                                                         |
| 91*  | 2015 | Marques ID, Alfaro MF, da Cruz NC, Mesquita MF, Takoudis C, <b>Sukotjo C</b> , Mathew MT, Barão VA. Tribocorrosion behavior of biofunctional titanium oxide films produced by micro-arc oxidation: synergism and mechanisms. Journal of the mechanical behavior of biomedical materials. 2016 Jul 1;60:8-21.                               |
| 92*  | 2015 | Bishal AK, Butt A, Selvaraj SK, Joshi B, Patel SB, Huang S, Yang B, Shukohfar T, <b>Sukotjo C</b> , Takoudis CG. Atomic layer deposition in bio-nanotechnology: a brief overview. Critical Reviews™ in Biomedical Engineering. 2015;43(4).                                                                                                 |
| 93   | 2016 | Wee AG, Weiss RO, Wichman CS, <b>Sukotjo C</b> , Brundo GC. Characteristics identified for success by restorative dental science department chairpersons. Journal of dental education. 2016 Mar;80(3):275-80.                                                                                                                              |
| 94*  | 2016 | Grotberg J, Hamlekhan A, Butt A, Patel S, Royhman D, Shokuhfar T, <b>Sukotjo C</b> , Takoudis C, Mathew MT. Thermally oxidized titania nanotubes enhance the corrosion resistance of Ti6Al4V. Materials Science and Engineering: C. 2016 Feb 1;59:677-89.                                                                                  |
| 95*  | 2016 | Beline T, Garcia CS, Ogawa ES, Marques IS, Matos AO, <b>Sukotjo C</b> , Mathew MT, Mesquita MF, Consani RX, Barão VA. Surface treatment influences electrochemical stability of cpTi exposed to mouthwashes. Materials Science and Engineering: C. 2016 Feb 1;59:1079-88.                                                                  |
| 96*  | 2016 | Kerwell S, Alfaro M, Pourzal R, Lundberg HJ, Liao Y, <b>Sukotjo C</b> , Mercuri LG, Mathew MT. Examination of failed retrieved temporomandibular joint (TMJ) implants. Acta biomaterialia. 2016 Mar 1;32:324-35.                                                                                                                           |
| 97   | 2016 | Ogawa ES, Matos AO, Beline T, Marques IS, <b>Sukotjo C</b> , Mathew MT, Rangel EC, Cruz NC, Mesquita MF, Consani RX, Barao VA. Surface-treated commercially pure titanium for biomedical applications: Electrochemical, structural, mechanical and chemical characterizations. Materials Science and Engineering: C. 2016 Aug 1;65:251-61. |
| 98*  | 2016 | He K, Firlar E, Nie A, <b>Sukotjo C</b> , Shahbazian-Yassar R, Shokuhfar T. Transmission Electron Microscopy Studies of Calcium Phosphate Biomineralization. Microscopy and Microanalysis. 2016 Jul;22(S3):798-9.                                                                                                                          |
| 99   | 2016 | Beline T, Marques ID, Matos AO, Ogawa ES, Ricomini-Filho AP, Rangel EC, Da Cruz NC, <b>Sukotjo C</b> , Mathew MT, Landers R, Consani RL. Production of a biofunctional titanium surface using plasma electrolytic oxidation and glow-discharge plasma for biomedical applications. Biointerphases. 2016 Mar 16;11(1):011013.               |
| 100  | 2016 | Sheets JL, Yuan JC, <b>Sukotjo C</b> , Wee AG. Survey of advanced education in prosthodontics directors and residents on practices in esthetic dentistry. Journal of dental education. 2016 Oct;80(10):1205-11.                                                                                                                            |
| 101* | 2016 | Onoriobe U, Miloro M, <b>Sukotjo C</b> , Mercuri LG, Lotesto A, Eke R. How many temporomandibular joint total joint alloplastic implants will be placed in the United States in 2030?. Journal of Oral and Maxillofacial Surgery. 2016 Aug 1;74(8):1531-8.                                                                                 |
| 102* | 2016 | Lotesto A, Miloro M, Mercuri LG, <b>Sukotjo C</b> . Status of alloplastic total temporomandibular joint replacement procedures performed by members of the American Society of Temporomandibular Joint Surgeons. International journal of oral and maxillofacial surgery. 2017 Jan 1;46(1):93-6.                                           |
| 103* | 2016 | Marques ID, Alfaro MF, Saito MT, da Cruz NC, Takoudis C, Landers R, Mesquita MF, Nociti Junior FH, Mathew MT, <b>Sukotjo C</b> , Barão VA. Biomimetic coatings enhance tribocorrosion behavior and cell responses of commercially pure titanium surfaces. Biointerphases. 2016 Sep 11;11(3):031008.                                        |

|      |      |                                                                                                                                                                                                                                                                                                                                             |
|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 104* | 2016 | Bishal AK, <b>Sukotjo C</b> , Takoudis CG. Room temperature TiO <sub>2</sub> atomic layer deposition on collagen membrane from a titanium alkylamide precursor. <i>Journal of Vacuum Science &amp; Technology A: Vacuum, Surfaces, and Films</i> . 2017 Jan 21;35(1):01B134.                                                                |
| 105  | 2017 | Afshari FS, Yuan JC, <b>Sukotjo C</b> . Women in prosthodontics: a brief look at pioneers, leaders, and inspirers. <i>Journal of Prosthodontics</i> . 2017 Jul;26(5):351-8.                                                                                                                                                                 |
| 106  | 2017 | Afshari FS, <b>Sukotjo C</b> , Alfaro MF, McCombs J, Campbell SD, Knoernschild KL, Yuan JC. Integration of digital dentistry into a predoctoral implant program: Program description, rationale, and utilization trends. <i>Journal of dental education</i> . 2017 Aug;81(8):986-94.                                                        |
| 107  | 2017 | Sheets JL, Yuan JC, <b>Sukotjo C</b> , Davis BK, Wee AG. Maxillofacial prosthetics training and practice profiles in the United States. <i>The journal of prosthetic dentistry</i> . 2017 Oct 1;118(4):540-5.                                                                                                                               |
| 108* | 2017 | Alves SA, Patel SB, <b>Sukotjo C</b> , Mathew MT, Paulo Filho N, Celis JP, Rocha LA, Shokuhfar T. Synthesis of calcium-phosphorous doped TiO <sub>2</sub> nanotubes by anodization and reverse polarization: A promising strategy for an efficient biofunctional implant surface. <i>Applied Surface Science</i> . 2017 Mar 31;399:682-701. |
| 109  | 2017 | Beline T, Vechiato Filho AJ, Wee AG, <b>Sukotjo C</b> , Dos Santos DM, Brandão TB, Barão VA. Initial investigation of the corrosion stability of craniofacial implants. <i>The Journal of prosthetic dentistry</i> . 2018 Jan 1;119(1):185-92.                                                                                              |
| 110  | 2017 | Yuan JC, Barão VA, Wee AG, Alfaro MF, Afshari FS, <b>Sukotjo C</b> . Effect of brushing and thermocycling on the shade and surface roughness of CAD-CAM ceramic restorations. <i>The Journal of prosthetic dentistry</i> . 2018 Jun 1;119(6):1000-6.                                                                                        |
| 111* | 2017 | Bhosle S, Patel S, Taheril MM, <b>Sukotjo C</b> , Shokuhfar T. Electrochemical anodisation of Ti-15Zr implant: effect of different voltages and times. <i>Surface Innovations</i> . 2017 Jan 25;5(2):82-9.                                                                                                                                  |
| 112  | 2017 | Matos AO, Ricomini-Filho AP, Beline T, Ogawa ES, Costa-Oliveira BE, de Almeida AB, Junior FH, Rangel EC, da Cruz NC, <b>Sukotjo C</b> , Mathew MT. Three-species biofilm model onto plasma-treated titanium implant surface. <i>Colloids and Surfaces B: Biointerfaces</i> . 2017 Apr 1;152:354-66.                                         |
| 113* | 2017 | Runa M, Lau EL, Takoudis C, <b>Sukotjo C</b> , Shokuhfar T, Rocha L, Mathew M. In vitro Evaluation of Tribocorrosion Induced Failure Mechanisms at the Cell-Metal Interface for the Hip Implant Application. <i>Advanced Engineering Materials</i> . 2017 May;19(5):1600797.                                                                |
| 114* | 2017 | Patel B, Duran-Martinez AC, Gurman P, Auciello O, Barao V, Campbell S, <b>Sukotjo C</b> , Mathew MT. Ultrananocrystalline diamond coatings for the dental implant: electrochemical nature. <i>Surface Innovations</i> . 2017 Apr 12;5(2):106-17.                                                                                            |
| 115* | 2017 | Ariani N, Reintsema H, Ward K, <b>Sukotjo C</b> , Wee AG. Maxillofacial prosthodontics practice profile: a survey of non-United States prosthodontists. <i>Journal of Otolaryngology-Head &amp; Neck Surgery</i> . 2017 Dec;46(1):1-7.                                                                                                      |
| 116* | 2017 | Patel SB, Baker N, Marques I, Hamlekhan A, Mathew MT, Takoudis C, Friedrich C, <b>Sukotjo C</b> , Shokuhfar T. Transparent TiO <sub>2</sub> nanotubes on zirconia for biomedical applications. <i>RSC advances</i> . 2017;7(48):30397-410.                                                                                                  |
| 117* | 2017 | Bishal AK, Grotberg J, <b>Sukotjo C</b> , Mathew MT, Takoudis CG. Human Osteoblast Cell-Ti6Al4V Metal Alloy Interactions Under Varying Cathodic Potentials: A Pilot Study. <i>Journal of Bio-and Tribo-Corrosion</i> . 2017 Sep;3(3):1-9.                                                                                                   |
| 118  | 2017 | Campbell SD, Stanford CM, <b>Sukotjo C</b> , Agar JR, Goodacre C. Academy of Prosthodontics centennial: The educational roots of our specialty. <i>Journal of Prosthetic Dentistry</i> . 2017 Dec 1;118(6):693-5.                                                                                                                           |

|      |      |                                                                                                                                                                                                                                                                                                                    |
|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 119  | 2017 | Cordeiro JM, Beline T, Ribeiro AL, Rangel EC, da Cruz NC, Landers R, Faverani LP, Vaz LG, Fais LM, Vicente FB, Grandini CR, Mathew MT, <b>Sukotjo C</b> , Barao V. Development of binary and ternary titanium alloys for dental implants. <i>Dental Materials</i> . 2017 Nov 1;33(11):1244-57.                     |
| 120  | 2017 | Brodala N, <b>Sukotjo C</b> , Yuan JC. Implant dentistry education at a predoctoral level-diversity at a worldwide level. <i>Forum Implantologicum</i> . 2017; 13 (2): 98-105.                                                                                                                                     |
| 121* | 2018 | Box VH, <b>Sukotjo C</b> , Knoernschild KL, Campbell SD, Afshari FS. Patient-reported and clinical outcomes of implant-supported fixed complete dental prostheses: a comparison of metal-acrylic, milled zirconia, and retrievable crown prostheses. <i>Journal of Oral Implantology</i> . 2018 Feb 1;44(1):51-61. |
| 122* | 2018 | Sikora CL, Alfaro MF, Yuan JC, Barao VA, <b>Sukotjo C</b> , Mathew MT. Wear and corrosion interactions at the titanium/zirconia interface: dental implant application. <i>Journal of Prosthodontics</i> . 2018 Dec;27(9):842-52.                                                                                   |
| 123* | 2018 | Zurek AD, Alfaro MF, Wee AG, Yuan JC, Barao VA, Mathew MT, <b>Sukotjo C</b> . Wear characteristics and volume loss of CAD/CAM ceramic materials. <i>Journal of Prosthodontics</i> . 2019 Feb;28(2):e510-8.                                                                                                         |
| 124  | 2018 | Pantaroto HN, Ricomini-Filho AP, Bertolini MM, da Silva JH, Neto NF, <b>Sukotjo C</b> , Rangel EC, Barão VA. Antibacterial photocatalytic activity of different crystalline TiO <sub>2</sub> phases in oral multispecies biofilm. <i>Dental Materials</i> . 2018 Jul 1;34(7):e182-95.                              |
| 125  | 2018 | Mercuri LG, Miloro M, Skipor AK, Bijukumar D, <b>Sukotjo C</b> , Mathew MT. Serum metal levels in maxillofacial reconstructive surgery patients: a pilot study. <i>Journal of Oral and Maxillofacial Surgery</i> . 2018 Oct 1;76(10):2074-80.                                                                      |
| 126  | 2018 | Cordeiro JM, Pantaroto HN, Paschoaleto EM, Rangel EC, da Cruz NC, <b>Sukotjo C</b> , Barão VA. Synthesis of biofunctional coating for a TiZr alloy: Surface, electrochemical, and biological characterizations. <i>Applied Surface Science</i> . 2018 Sep 15;452:268-78.                                           |
| 127  | 2018 | <b>Sukotjo C</b> , Khan A, Yuan JC, Afshari F, Weatherspoon D, Wee AG. Research Productivity of Directors of US Advanced Education in Prosthodontics Programs. <i>Journal of dental education</i> . 2018 Dec;82(12):1320-6.                                                                                        |
| 128  | 2018 | Sheets JL, Pinkston DJ, Yuan JC, <b>Sukotjo C</b> , Wee AG. US maxillofacial prosthetics programs: fellows' and directors' perspectives. <i>Journal of dental education</i> . 2018 Dec;82(12):1335-42.                                                                                                             |
| 129* | 2018 | Segu A, Bijukumar D, Trinh T, Pradhan MN, Xie Q, <b>Sukotjo C</b> , Mathew MT. Total eradication of bacterial infection in root canal treatment: an electrochemical approach. <i>ACS Biomaterials Science &amp; Engineering</i> . 2018 Jun 4;4(7):2623-32.                                                         |
| 130* | 2018 | Darwish G, Huang S, Knoernschild K, <b>Sukotjo C</b> , Campbell S, Bishal AK, Barão VA, Wu CD, Taukoudis CG, Yang B. Improving polymethyl methacrylate resin using a novel titanium dioxide coating. <i>Journal of Prosthodontics</i> . 2019 Dec;28(9):1011-7.                                                     |
| 131  | 2018 | Souza JG, Lima CV, Costa Oliveira BE, Ricomini-Filho AP, Faveri M, <b>Sukotjo C</b> , Feres M, Del Bel Cury AA, Barão VA. Dose-response effect of chlorhexidine on a multispecies oral biofilm formed on pure titanium and on a titanium-zirconium alloy. <i>Biofouling</i> . 2018 Nov 26;34(10):1175-84.          |
| 132* | 2018 | Bishal AK, <b>Sukotjo C</b> , Jokisaari JR, Klie RF, Takoudis CG. Enhanced Bioactivity of Collagen Fiber Functionalized with Room Temperature Atomic Layer Deposited Titania. <i>ACS applied materials &amp; interfaces</i> . 2018 Sep 13;10(40):34443-54.                                                         |
| 133  | 2019 | Touloumi F, Yuan JC, Reshan A, Wee AG, <b>Sukotjo C</b> . Retrospective Evaluation of the Status of Advanced Dental Education in Prosthodontics from 2006 to 2016. <i>Journal of dental education</i> . 2019 Aug;83(8):887-94.                                                                                     |

|      |      |                                                                                                                                                                                                                                                                                                                                                              |
|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 134* | 2019 | Astaneh SH, Jursich G, <b>Sukotjo C</b> , Takoudis CG. Surface and subsurface film growth of titanium dioxide on polydimethylsiloxane by atomic layer deposition. <i>Applied Surface Science</i> . 2019 Nov 1;493:779-86.                                                                                                                                    |
| 135* | 2019 | Alfaro MF, Rossman PK, Marques ID, Dube A, Takoudis C, Shokuhfar T, Mathew MT, <b>Sukotjo C</b> . Interface Damage in Titanium Dental Implant Due to Tribocorrosion: The Role of Mastication Frequencies. <i>Journal of Bio-and Tribo-Corrosion</i> . 2019 Dec;5(4):1-2.                                                                                     |
| 136* | 2019 | Bishal AK, Wee AG, Barão VA, Yuan JC, Landers R, <b>Sukotjo C</b> , Takoudis CG. Color stability of maxillofacial prosthetic silicone functionalized with oxide nanocoating. <i>The Journal of prosthetic dentistry</i> . 2019 Mar 1;121(3):538-43.                                                                                                          |
| 137  | 2019 | Bitencourt SB, Kanda RY, de Freitas Jorge C, Barão VA, <b>Sukotjo C</b> , Wee AG, Goiato MC, Pesqueira AA. Long-term stainability of interim prosthetic materials in acidic/staining solutions. <i>Journal of Esthetic and Restorative Dentistry</i> . 2020 Jan;32(1):73-80.                                                                                 |
| 138  | 2020 | Dini C, Costa RC, <b>Sukotjo C</b> , Takoudis CG, Mathew MT, Barão VA. Progression of bio-tribocorrosion in implant dentistry. <i>Frontiers in Mechanical Engineering</i> . 2020 Jan 28;6:1.                                                                                                                                                                 |
| 139  | 2020 | Campaner M, Takamiya AS, Bitencourt SB, Mazza LC, de Oliveira SH, Shibayama R, Barão VA, <b>Sukotjo C</b> , Pesqueira AA. Cytotoxicity and inflammatory response of different types of provisional restorative materials. <i>Archives of oral biology</i> . 2020 Mar 1;111:104643.                                                                           |
| 140  | 2020 | Lee DJ, Yuan JC, Zheng F, Wee AG, Caradine-Poinsett L, Tuminelli FJ, <b>Sukotjo C</b> . Prosthodontic Resident Selection by Postdoctoral Dental Matching Program: A National Survey by Participating Program Director. <i>Journal of Prosthodontics</i> . 2020 Jun;29(5):374-7.                                                                              |
| 141  | 2020 | Hashemi Astaneh S, <b>Sukotjo C</b> , Takoudis CG, Feinerman A. Simple masking method for selective atomic layer deposition of thin films. <i>Journal of Vacuum Science &amp; Technology B, Nanotechnology and Microelectronics: Materials, Processing, Measurement, and Phenomena</i> . 2020 Mar 12;38(2):025001.                                           |
| 142  | 2020 | Beline T, de Almeida AB, Neto NF, Matos AO, Ricomini-Filho AP, <b>Sukotjo C</b> , Smeets PJ, da Silva JH, Nociti Jr FH, Barão VA. $\beta$ -Ta <sub>2</sub> O <sub>5</sub> thin film for implant surface modification triggers superior anti-corrosion performance and cytocompatibility of titanium. <i>Applied Surface Science</i> . 2020 Aug 1;520:146326. |
| 143  | 2020 | Manzotti A, Roenitz C, Yuan JC, <b>Sukotjo C</b> , Vieira Marques ID, Alfaro MF, Wee AG. Status of Sleep Apnea and Snoring Disorder Curriculum in US Advanced Education Prosthodontic Programs. <i>Journal of Prosthodontics</i> . 2020 Oct;29(8):656-9.                                                                                                     |
| 144* | 2020 | Albayrak B, <b>Sukotjo C</b> , Wee AG, Korkmaz İH, Bayındır F. Three-Dimensional Accuracy of Conventional Versus Digital Complete Arch Implant Impressions. <i>Journal of Prosthodontics</i> . 2020 Sep 16.                                                                                                                                                  |
| 145  | 2020 | <b>Sukotjo C</b> , Lima-Neto TJ, Santiago Júnior JF, Faverani LP, Miloro M. Is There a Role for Absorbable Metals in Surgery? A Systematic Review and Meta-Analysis of Mg/Mg Alloy Based Implants. <i>Materials</i> . 2020 Jan;13(18):3914.                                                                                                                  |
| 146* | 2020 | Bishal AK, Anderson ND, Ho Hung SK, Jokisaari JR, Klie RF, Koh A, Abdussalam W, <b>Sukotjo C</b> , Takoudis CG. Highly Conductive Collagen by Low-Temperature Atomic Layer Deposition of Platinum. <i>ACS Applied Materials &amp; Interfaces</i> . 2020 Sep 4;12(39):44371-80.                                                                               |
| 148* | 2020 | He K, Sawczyk M, Liu C, Yuan Y, Song B, Deivanayagam R, Nie A, Hu X, Dravid VP, Lu J, <b>Sukotjo C</b> , Liu Y, Petr Král, Shokuhfar T, and Shahbazian-Yassar R. Revealing nanoscale mineralization pathways of hydroxyapatite using in situ liquid cell transmission electron microscopy. <i>Science advances</i> . 2020 Nov 1;6(47):eaaz7524.              |

|      |      |                                                                                                                                                                                                                                                                                                                          |
|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 149  | 2020 | <b>Sukotjo C</b> , Schreiber S, Yuan JC, Santoso M. Faculty perceptions of virtual reality as an alternative solution for preclinical skills during the pandemic. <i>Journal of dental education</i> . 2020 Nov 20.                                                                                                      |
| 150* | 2021 | Astaneh SH, Faverani LP, <b>Sukotjo C</b> , Takoudis CG. Atomic layer deposition on dental materials: processing conditions and surface functionalization to improve physical, chemical, and clinical properties-A Review. <i>Acta Biomaterialia</i> . 2021 Feb;121:103-118.                                             |
| 151  | 2021 | Barão VA, Ramachandran RA, Matos AO, Badhe RV, Grandini CR, <b>Sukotjo C</b> , Ozevin D, Mathew M. Prediction of tribocorrosion processes in titanium-based dental implants using acoustic emission technique: Initial outcome. <i>Materials Science and Engineering: C</i> . 2021 Feb 25:112000.                        |
| 152  | 2021 | <b>Sukotjo C</b> , Schreiber S, Jingyao L, Menghan Z, Yuan JC and Santoso M. Development and Student Perception of Virtual Reality for Implant Surgery. <i>Education Sciences</i> . <i>Educ. Sci.</i> 2021, 11, 176.                                                                                                     |
| 153  | 2021 | Kim JJ, Yuan JC, <b>Sukotjo C</b> , Campbell SD. Survey of Current Predoctoral Removable Partial Denture Curriculum in the United States. <i>Prosthesis</i> 2021, 3(2), 119-128.                                                                                                                                         |
| 154  | 2021 | Nasution H, <b>Sukotjo C</b> . Permanent double-sided tape to facilitate the cementation of indirect restorations. <i>Journal of Prosthetic Dentistry</i> , Accepted. June 2021                                                                                                                                          |
| 155  | 2021 | Vlagos KA, Salazar D, Reyes AER, <b>Sukotjo C</b> , Clarke S, Campbell SD, and Rodriguez A. Implementation of a Single-Tooth pre-Doctoral CAD/CAM Dentistry Curriculum at UIC: History, Description, SWOT Analysis and Quantitative Evaluation. <i>Education Science Journal</i> , Accepted. June 2021                   |
| 156  | 2021 | Ti-ions and/or Particles in Saliva Potentially Aggravate Dental Implant Corrosion. M. Alhamad, V.A. Barão, <b>C. Sukotjo</b> , L. Cooper, M.T. Mathew. <i>Materials</i> . Accepted                                                                                                                                       |
| 157  | 2021 | Suitability of Ti-Zr alloy for dental implants: Tribocorrosion Investigation. Ramachandran RA, Barão VAR, Matos AO, Cordeiro JM, Badhe RV, Grandini CR, <b>Sukotjo C</b> , M.T. Mathew. <i>Journal of Bio and Tribocorrosion</i> . Accepted                                                                              |
| 158  | 2021 | A systematic ALD study of TiO <sub>2</sub> and ZrO <sub>2</sub> on PMMA substrates as separate and mixed oxide thin films for enhanced biomaterial functionalization. Mina Shahmohammadi, Bruna E. Nagay, Valentim A. R. Barão, <b>Cortino Sukotjo</b> , Christos G. Takoudis. <i>Applied Surface Science</i> . Accepted |
| 159  | 2021 | Potential bioactive coating system for high performance absorbable magnesium bone implants. Murni Nazira Sarian, Nida Iqbal, Qamar Uddin Ahmed, <b>Cortino Sukotjo</b> , Hendra Hermawan. <i>Bioactive Materials</i> . Accepted                                                                                          |

\* Article published as part of resident/graduate student research efforts under my direction or collaboration

#### Manuscript under review:

1. Predictability of dental implants in single vs. double-barrel vascularized fibula flaps for mandibular reconstruction: A systematic review and meta-analysis. Bárbara Rios, Anderson Santos, Bruno Mendes, Joel Santiago-Júnior, **Cortino Sukotjo**, Nicholas Callahan, Michael Miloro. Submitted to *International Journal of Oral and Maxillofacial Surgery*
2. Is Atomic Layer Deposition of Silver possible on N95 masks? Sarah Hashemi Astaneh, Harshdeep Bhatia, Bruna Egumi Nagay, Valentim Adelino R. Barão, Gregory Jursich, **Cortino Sukotjo**, Christos G. Takoudis. Submitted to *ACS Environmental Science and Technology*.

#### Manuscript under preparation:

1. The use of AR etypodont to enhance patient's oral health literacy regarding dental Implant Parts and treatment, a Randomized Controlled Study. **Cortino Sukotjo**, Dominique Erica Bertucci, Javid

- Yunus Patel, Judy Chia-Chun Yuan, Markus Santoso. Will be submitted to Journal of Prosthetic Dentistry.
2. Functionalized Collagen Membranes by Atomic Layer Deposited Titania with 150 cycles improved osteopromotive property and promoted osteoconductive behavior in critical-size defects created on rat calvaria. Leonardo Perez Faverani, Sarah Hashemiastaneh, Monique Gonçalves da Costa, Leonardo Alan Delanora, Tiburtino José de Lima Neto, Edilson Ervolino, Christos Takoudis, **Cortino Sukotjo**. Will be submitted to ACS Applied Material and Interfaces.
  3. Effect of Nano Ceramic coating on Color Acceptability and Perceptibility of Polymethylmethacrylate: In Vitro and Clinical Study. Laura Koo Min Chee, **Cortino Sukotjo**, Alvin G. Wee, Christos Takoudis and Judy C. Yuan. Will be submitted to Journal of Prosthetic Dentistry.
  4. Impact of Covid-19 among Dental Students in Malaysia. Widya Lestari, Nur Hazirah Yazid, Zawin Najah Azhar, Azlini Ismail, **Cortino Sukotjo**. Will be submitted to BMC Oral health
  5. Knowledge, perceived risk, and the associated preventive behaviours amidst Covid-19 pandemic among dental students in Malaysia. Azlini Ismail, Nur Hanisah Ismail, Nur Yasrin Maisarah Abu Kassim, Widya Lestari, Ahmad Faisal Ismail, **Cortino Sukotjo**. Will be submitted to Journal of Dental Education
  6. The Effects of Cigarette Smoking on the Shade of Computer-Aided Milling and Design Restorations. Stuart R. Schelkopf, **Cortino Sukotjo**, Alvin G. Wee, Valentim Barao, and Judy C. Yuan

#### Book Chapter:

1. Nishimura, I., Iida, K., Ozawa, S., Ogawa, T. and **Sukotjo, C.**: Engineering of Periodontal Tissue Complexes, In Biological Mechanisms of Tooth Movement and Craniofacial Adaptation. Eds. Davidovitch, Z., and Mah, pp.17-24, 2000.
2. Rocha LA, Oliveira F, Cruz HV, **Sukotjo C**, Mathew MT. Bio-tribocorrosion in dental applications. In Bio-tribocorrosion in biomaterials and medical implants 2013 Jan 1 (pp. 223-249). Woodhead Publishing.
3. Barão VA, **Sukotjo C**, Mathew MT. Fundamentals of linking tribology and corrosion (tribocorrosion) for medical applications: Bio-tribocorrosion. In Tribology for scientists and engineers 2013 (pp. 637-655). Springer, New York, NY.
4. **Sukotjo C**, Yuan JC, Afshari FS. Women in prosthodontics. Chicago, IL: American College of Prosthodontists. 2016:13-5.
5. Mathew M, Kerwell S, Alfaro M, Royman D, Barao V, **Sukotjo C**. Tribocorrosion and TMJ TJR devices. In Temporomandibular Joint Total Joint Replacement–TMJ TJR 2016 (pp. 251-263). Springer, Cham.
6. Alves SA, Beline T, Barão VA, **Sukotjo C**, Mathew MT, Rocha LA, Celis JP, Souza JC. Degradation of titanium-based implants. In Nanostructured Biomaterials for Cranio-Maxillofacial and Oral Applications 2018 Jan 1 (pp. 41-62). Elsevier.

#### Teaching tools (Virtual reality and Augmented reality)

1. Augmented Reality: E-typodont: <https://www.youtube.com/watch?v=SG9colndZpg>
2. Virtual Dental Standardized Patient: <https://www.youtube.com/watch?v=js8kixXZfW4>
3. VR Haptic Cavities Prep Simulation: <https://www.youtube.com/watch?v=Nz4YO6r-z8c>
4. Single-User Dental Implant Simulation: <https://www.youtube.com/watch?v=aBF4SQq9uaw>
5. Multi-User Dental Implant Simulation: [https://www.youtube.com/watch?v=7e\\_47flV8qY](https://www.youtube.com/watch?v=7e_47flV8qY)

#### Abstracts:

1. **Sukotjo, C.**, Eilber, K., Ozawa, S., Ogawa, T., and Nishimura, I.: Three-dimensional analysis of collagen fiber architecture organized by fibroblasts, in vitro. *J Dent Res*, 78:787, 1999.
2. Ogawa, T., Ozawa, S., Shih, F., Yang, J., **Sukotjo, C.**, Eilber, K., and Nishimura, I.: A biomechanical characterization of osseointegration in small experimental animals. *J Dent Res*, 78: 2778, 1999.
3. Ozawa, S., Ogawa, T., **Sukotjo, C.**, Hasegawa, H., Nishimura, R., and Nishimura I.: Osseointegration of a novel miniature implant in ovariectomized rat. *J Dent Res*, 78:2777, 1999.
4. Eilber, K., **Sukotjo, C.**, Schibler, M., Trklja, S., Raz, S., and Nishimura, I.: Three-dimensional reconstruction of collagen fiber architecture in the human urinary bladder: A confocal laser scanning microscopy study. *J Urology*, 1999.
5. Ozawa, S., Ogawa, T., **Sukotjo, C.**, and Nishimura, I.: 17b-estradiol modulated expression of collagen IX in MC3T3-E1 cells and mouse primary calvaria cells. *J Bone Min Res*, 14: Suppl 1: S397, 1999.
6. Nishimura, I., Ozawa, S., Iida, K., Ogawa, T., and **Sukotjo, C.**: Impaired activity of osteoblastic cells derived from bone marrow of adult col9a1 null mutant mice. *J Bone Min Res*, 2000.
7. **Sukotjo, C.**, Ogawa, T., Ozawa, S., and Nishimura, I.: Molecular cloning and characterization of a novel gene derived from edentulous oral mucosa. *J Dent Res*, 79:99, 2000.
8. Ogawa, T., Ozawa, S., **Sukotjo, C.**, Iida, K., and Nishimura, I.: Differentially expressed genes between normal wound healing of bone and implant osseointegration. *J Dent Res*, 79: 3321, 2000.
9. Ozawa, S., Ogawa, T., **Sukotjo, C.**, Iida, K., and Nishimura, I.: Modulated expression of bone and cartilage matrix genes around titanium implant in ovariectomized rats. *J Dent Res*, 79: 3322, 2000.
10. **C. Sukotjo**, T., Ogawa, S. Ozawa and I. Nishimura. Characterization of a novel Gene Derived from Edentulous Oral Mucosa. International and American Association of Maxillofacial Prosthetics, 2000.
11. Ozawa, S., Iida, K., Ogawa T, **Sukotjo, C.**, Nishimura, I.: Multiple bone formation analyses of adult col9a1 null mutant mice, International and American Association of Maxillofacial Prosthetics, 2000.
12. Iida, K., Ozawa, S., **Sukotjo, C.**, Ogawa, T., and Nishimura, I.: Application of DNA microarray Technology for tissue Engineering, International and American Association of Maxillofacial Prosthetics, 2000.
13. Ozawa S, Ogawa T, **Sukotjo C**, Hasegawa H, Lee D, Hearne J, Nishimura I. Early osseointegration using Osseotite miniature implants in normal and ovariectomized rats. 31 International Symposium: "A synergistic approach to implant dentistry". Orlando. 1999
14. Ogawa T, Ozawa S, **Sukotjo C**, Iida K, Nishimura I. Molecular determinants of osseointegration: The genes specifically expressed around implants. Academy of osseointegration. 15th Annual meeting. New Orleans, Louisiana, 2000.
15. Ozawa S, Iida K, Ogawa T, **Sukotjo C**, Nishimura I. Gene expression analysis of bone using a custom-made cDNA microarray. Academy of osseointegration. 15th Annual meeting. New Orleans, Louisiana, 2000.
16. Ogawa T, **Sukotjo C**, Iida K, Nishimura I. Modulated gene Expression by Implant Placement and Its Surface Modification. *J Dent Res*, 80: 1345, 2001.
17. **Sukotjo C**, Ogawa T, Iida K, Nishimura I. Wit 3.0, A Novel Gene derived from Edentulous oral mucosa accelerates wound contraction. *J Dent Res*, 80: 299, 2001.
18. **Sukotjo C**, Song K, Ogawa T, Huang T and Nishimura I. Wit 3.0 Encodes Cytoplasmic Molecules Facilitating Oral Mucosa Wound Contraction. *J Dent Res*, 81: 4128, 2002.
19. Chan WY, **Sukotjo C**, Nishimura I, and Wu B. Fabrication of 3D Tissue Analogs: Cell Viability and Plasmid Stability, and Distribution. *J Dent Res*, 81: 1723, 2002.
20. Kim S, Ogawa T, **Sukotjo C** and Nishimura I. Transfection of implant specific gene for bone-implant integration study. *J Dent Res*, 81: 2851, 2002.
21. Huang T, **Sukotjo C** and Nishimura I. In vitro model on the functions of type XII collagen using gingival fibroblasts. *J Dent Res*, 81: 1620, 2002.
22. Ogawa T, **Sukotjo C**, Kim S and Nishimura I. Implant-Specific Gene Transfer for Tissue Engineered Bio-Integration. *J Dent Res*, 81: 1725, 2002.
23. Lin A, **Sukotjo C**, Song K, Ogawa T, Wu B, Huang GTJ, and Nishimura I. Transfection of wit-3.0 accelerates wound contraction. *J Dent Res*. 83: 1160, 2004.

24. **Sukotjo C**, Thammasitboon K and Karimbux N. The Impact of Targeted Short Preclinical Exercise on Clinical Outcomes. IADR 2005.
25. MT. Mathew, C. Nagelli, VA. Barao, M. Laurent, **C. Sukotjo**, JJ. Jacobs, MA. Wimmer. Some thoughts about Synergistic interaction of wear and corrosion, International Conference on Surfaces Materials and Vacuum. Puerto Vallarta, Jalisco, México. September 25-28, 2011 (Invited Talk)
26. MT. Mathew, VA. Barão, R. Radhakrishnan, C.Nagelli, **C. Sukotjo**, JJ. Jacobs, MA. Wimmer. Corrosion and Tribocorrosion behavior of Titanium and CoCrMo alloys under unfavourable biological conditions: Infection and Varying pH, 20<sup>th</sup> International Materials Research Congress IMRC 2011, 14 – 19 August 2011, Cancún, Mexico, (Invited Talk)
27. R. Mazini, V. Barao, MT. Mathew, J. Yuan, WG. Assuncao, MA. Wimmer, **C. Sukotjo**. Does bacterial lipopolysaccharide affect the tribocorrosive nature of titanium dental implants?. In: 1st Congress of Araçatuba Dental School, 2011, Araçatuba. Revista Odontológica de Araçatuba, 2011. v. 32. p. 10-10.
28. L. Faverani, VA. Barao, MT. Mathew, J. Yuan, WG. Assuncao, MA. Wimmer, **C. Sukotjo**. Influence of lipopolysaccharide on titanium corrosion. Future possibilities to explain the loss of dental implants. In: 1st Congress of Araçatuba Dental School, 2011, Araçatuba. Revista Odontológica de Araçatuba, 2011. v. 32. p. 25-25
29. L. Faverani, VA. Barao, JA. Delben, MT. Mathew, J. Yuan, MA. Wimmer, **C. Sukotjo**, WG. Assuncao. Stability of cpTi and Ti-6Al-4V alloy for dental implants as a function of saliva pH - an electrochemical study, 28th Meeting of the Brazilian Division of the International Association for Dental Research-2011, Águas de Lindóia. Brazilian Oral Research, 2011. v. 25. p. 43-43.
30. L. Faverani, VA. Barao, MT. Mathew, J. Yuan, JA. Delben, MA. Wimmer, WG. Assuncao, **C. Sukotjo**. Influence of corrosion on lipopolysaccharide affinity for two titanium materials. 28th Meeting of the Brazilian Division of the International Association for Dental Research-2011, Águas de Lindóia. Brazilian Oral Research, 2011. v. 25. p. 20-20
31. R. Rashmi, MT. Mathew, C. Nagelli, **S. Cortino**, JJ. Jacobs, MA. Wimmer. "What is the role of lipopolysaccharide (LPS) on the electrochemical nature of CoCrMo alloy in a periprosthetic joint infection?" Rush University Medical Center Research Forum. April 2011
32. S. Zomorrodian, MT. Mathew, **C. Sukotjo**, MA. Wimmer, K. Knoernschild, SD. Campbell. In-vitro analysis of corrosion of Titanium and the effects on Human Mesenchymal Stem cells Rush University Medical Center Research Forum. April 2011
33. VA. Barao, MT. Mathew, **S. Cortino**, MA. Wimmer. What is the role of LPS on the Tribocorrosion behaviour of Titanium?. ICMCTF 2011, San Diego, May 2011
34. VA. Barao, MT. Mathew, **S. Cortino**, MA. Wimmer. The role of LPS on the Tribocorrosion behaviour of Titanium. WOM 2011, Philadelphia, April 2011.
35. VA. Barao, MT. Mathew, **S. Cortino**, MA. Wimmer. How Does Lipopolysaccharide Influence the Tribocorrosive Behavior of Titanium. IADR conference, San Diego, April 2011.
37. S. Zomorrodian, MT. Mathew, MA. Wimmer, **C. Sukotjo**. Cellular Response of Human Mesenchymal Stem Cells Cultured on Corroded Titanium Surfaces, 83<sup>rd</sup> Annual Meeting of the American Prosthodontic Society, Chicago, Feb 2011
38. MT. Mathew, A. Savi, **S. Cortino**, JJ. Jacobs, MA. Wimmer. Synergisms of wear and corrosion on the degradation of Ti implants: The role of pH Orthopedics, ORS 2011, Transactions-2011 36: 1132, Long Beach, CA
39. VA. Barao, MT. Mathew, MA. Wimmer, **C. Sukotjo**. Corrosive Behavior of Titanium: Influence of pH and Lipopolysaccharide, IADR conference, Barcelona, July 2010
40. VA. Barao, MT. Mathew, S. Cortino, MA. Wimmer. Influence of LPS on the corrosive nature of the CpTi in an oral environment, UIC research forum 2010.
41. MT. Mathew, R. Pourzal, NJ. Hallab, **C. Sukotjo**, T. Uth, A. Fischer, MA. Wimmer. Wear and corrosion synergism in Metal-on-metal hip joint, RUSH University Research Forum, May 2010.
42. VA. Barao, MT. Mathew, **S. Cortino**, MA. Wimmer. Influence of LPS on the corrosive nature of the CpTi in an oral environment, RUSH University Research Forum, May 2010.
43. A. Savi, MT. Mathew, N.J. Hallab, A. Fischer, **C. Sukotjo**, MA. Wimmer. Tribocorrosive behavior of Dental Implants, RUSH University Research Forum, May 2010

44. A. Savi, MT. Mathew, NJ. Hallab, A. Fischer, **C. Sukotjo**, MA. Wimmer. Tribocorrosive behaviour of Dental Implants, ICMCTF 2010, San Diego, April 2010.
45. A. Savi, MT. Mathew, NJ. Hallab, **C. Sukotjo**, MA. Wimmer. Electrochemical characterization of Dental Implants: CpTi, Dental Table Clinic, San Diego, 2009.
46. E.J. Taylor, J.C. Yuan, D.J. Lee, R.F. Harlow, K.L. Knoernschild, S.D. Campbell, **C. Sukotjo**. Esthetic Assessment of Predoctoral Anterior Single Tooth Implant Restorations: A Preliminary Report. American College of Prosthodontists, 2012 Annual Session, Baltimore, MD
47. P.J. Hedger, J.C. Yuan, D.J. Lee, R.F. Harlow, K.L. Knoernschild, S.D. Campbell, **C. Sukotjo**. Treatment Effect on Social Engagement with Mandibular Implant Overdenture Therapy. American College of Prosthodontists, 2012 Annual Session, Baltimore, MD
48. A. Butt, **C. Sukotjo** and C. Takoudis. A Novel Investigation of the Formation of TiO<sub>2</sub> Nanotubes on Thermally Formed Oxide of Ti-6Al-4V." 2013 American Academy of Implant Dentistry Meeting.
49. P.J. Hedger, J.C. Yuan, D.J. Lee, R.F. Harlow, K.L. Knoernschild, S.D. Campbell, **C. Sukotjo**. Title: Treatment Effect on Social Engagement With Mandibular Implant Overdenture Therapy. 2013 UIC Clinical Research Day.
50. G.D.C.S. Pinto, M. Mathew and **C. Sukotjo**. Title: Exploring Suitable Surface Treatment for Ti-Dental Implants: An Electrochemical Investigation in infection like environment. The American Prosthodontic Society, Chicago, 2013.
51. Dmitry Rohyman, M. Mathew and **C. Sukotjo**. Title: A Tribocorrosive Investigation of Commonly Used TMJ Implant Metals. 2013 IADR Washington DC.
52. Natalie Baker, Sweetu Patel, Tolou Shokuhfar and **Cortino Sukotjo**. Title: Characterization and Biocompatibility of Transparent Nanotubes on Hybrid TiZrO<sub>2</sub>. 2014 American College of Prosthodontics meeting, New Orleans.
53. Faverani LP, Assuncao WG, de Carvalho PSP, Yuan JC, **Sukotjo C**, Mathew MT, Barão VA. Electrochemical analysis of Ti-6Al-4V alloy with different levels of dextrose and lipopolysaccharide. 8th Meeting of Brazilian Group for Recycling in Prosthodontics and Implants. 2014
54. Stuart Schelkopf, **Cortino Sukotjo** and Judy Chia-Chun Yuan. Title: Patient recall in U.S. predoctoral dental education programs and student perception of the importance of patient recall. UIC-COD Clinic and Research Day, 2014.
55. Goth Siu, Judy Chia-Chun Yuan and **Cortino Sukotjo**, Title: Improving the pink and white esthetic scores (PES/WES) in predicting patient satisfaction of anterior implant restorations, UIC-COD Clinic and Research Day, 2014.
56. Amy Au, Sweetu Patel, Tolou Shokuhfar and **Cortino Sukotjo**. Project title: A Novel Silver-Embedded Titania Nanotubular Implant Surface. American College of Prosthodontists annual meeting, Orlando, Florida. 2015
57. Craig Sikora Craig Sikora, Mathew Mathew and **Cortino Sukotjo**. Project title: Wear and Corrosion at the Titanium-Zirconia Implant Abutment Interface. ACP 2015 annual meeting, Orlando, Florida.
58. Jeri McCombs, **Cortino Sukotjo** and Judy Chia-Chun Yuan. Title. Utilizing Digital Workflow to Restore Single Tooth Implants in a Pre-Doctoral Setting. American College of Prosthodontists annual meeting, Orlando, Florida. 2015
59. Uvoh Onoriobe, **Cortino Sukotjo**, Judy Chia-Chun Yuan and Linda Kaste. Title: Assessing the Impact of Limiting Adult Dental Medicaid Benefits on Prosthodontic Procedures Completed at the UIC COD Predoctoral Clinic. American College of Prosthodontists annual meeting, Orlando, Florida. 2015
60. Isabella Marques, Mathew Mathew, **Cortino Sukotjo** and Valentim Barao. Title: Biomimetic coatings enhance cellular responses and tribocorrosion behavior of cpTi surfaces. International Association of Dental Research, Brazilian Section, September 2015.
61. Bhavani Pate, **Cortino Sukotjo** and Mathew Mathew. University of Illinois College of Medicine at Rockford. Project title: Electrochemical and Tribocorrosive Behavior of Ultra Nanocrystalline Diamond for Biomedical Applications. 2015
62. Virginia Hogsett, **Cortino Sukotjo** and Fatemeh Afshari. Title: A Prosthetic Approach for Class III Malocclusion Utilizing Fixed Complete Denture Therapy. American Academy for Fixed Prosthodontics Annual Meeting. 2015

63. Isabella Marques, Maria Fernanda, Mathew Mathew, Valentim Barao and **Cortino Sukotjo**. Title: Surface characterization and corrosion behavior of bioactive coatings on cp-Ti surface for dental applications. American Prosthodontics Society Annual Meeting. 2015.
64. Maria Fernanda, Isabella Marques, Mathew Mathew, Valentim Barao and **Cortino Sukotjo**. Title: Fretting corrosion behavior of Ti6Al4V dental implant alloy: The role of fretting frequencies. American Prosthodontics Society Annual Meeting. 2015.
65. Isabella Marques, Maria Fernanda, Mathew Mathew, Valentim Barao and **Cortino Sukotjo**. Title: Bioactive Coatings Produced by Microarc Oxidation: Characterization and Tribocorrosion Behavior. IADR Boston, MA, 2015.
66. Natalie Baker, Tolou Shokuhfar, **Cortino Sukotjo**. American Prosthodontics Society. Annual Meeting, Chicago, IL. Title: Characterization and Biocompatibility of Transparent Nanotubes on Hybrid TiZrO<sub>2</sub>, February 2015
67. Craig Sikora, Mathew Mathew and **Cortino Sukotjo**. Title: Wear and Corrosion at the titania zirconia implant abutment interfaces. American College of Prosthodontists annual meeting, San Diego, October 5-8, 2016.
68. Virginia Hogsett, **Cortino Sukotjo** and Fatemeh Afshari. Title: Prosthetic Complications of Implant-Supported full arch prostheses: A comparison. American College of Prosthodontists annual meeting, San Diego, October 5-8, 2016
69. Alec Zuric, Mathew Mathew, **Cortino Sukotjo**. Title: The Wear Characteristics and Volume Loss of Different CAD/CAM Materials, American College of Prosthodontists annual meeting, San Diego, October 5-8, 2016.
70. Uvoh Onoriobe, **Cortino Sukotjo**, Judy Chia-Chun Yuan and Linda Kaste. Title: Limited Adult Dental Medicaid Benefits Impact on Receipt of Prosthodontic Procedures. UIC-COD Clinic and Research Day, 2016.
71. Jeri McCombs, **Cortino Sukotjo** and Judy Chia-Chun Yuan. Title: Utilizing Digital workflow to restore single tooth implants in a predoctoral setting. UIC-COD Clinic and Research Day, 2016
72. Virginia Hogsett, **Cortino Sukotjo** and Fatemah Afshari. Title: Prosthetic Complications of Implant-Supported full arch prostheses: A comparison. UIC-COD Clinic and Research Day, 2016.
73. Craig Sikora, Mathew Mathew and **Cortino Sukotjo**. Wear and Corrosion at the titanium-zirconia implant abutment interfaces, American Prosthodontic Society Meeting, February 25-26, Chicago.
74. Craig Sikora, Mathew Mathew and **Cortino Sukotjo**. Wear and Corrosion at the titanium-zirconia implant abutment interfaces, American Academy of Fixed Prosthodontic Meeting, February 26-27, 2016. Chicago.
75. Sweetu Patel, **Cortino Sukotjo**, Mathew Mathew, Tolou Shokuhfar, VitaminD-eluting Titania nanotubes (VD-TNTs) American Prosthodontic Society Meeting, February 25-26, 2016. Chicago.
76. Saad S. Alresayes, Judy Chia-Chun Yuan, Mathew Mathew and **Cortino Sukotjo**. Title: Corrosion Behavior of Ti15Zr (Roxolid®) Dental Implant Alloy Compared to CpTi and Ti6Al4V Alloys. American College of Prosthodontists annual meeting. 2017. San Francisco.
77. Ghaith Darwis, **Cortino Sukotjo**, Christos Takoudis and Bin Yang. Title: Improving Polymethyl Methacrylate using Novel Nano Ceramic Coating. American College of Prosthodontists annual meeting. 2017. San Francisco.
78. Abhijith Segu, **Cortino Sukotjo** and Mathew Mathew. 2018. Title: Development of electrochemical tool for quick and efficient eradication of root canal infection. University of Illinois at Rockford, School of Medicine.
79. Saad S. Alresayes, Judy Chia-Chun Yuan, Mathew Mathew and **Cortino Sukotjo**. Title: Corrosion Behavior of Ti15Zr (Roxolid®) Dental Implant Alloy Compared to CpTi and Ti6Al4V Alloys. UIC-COD Clinic and Research Day. 2018.
80. Ghaith Darwis, **Cortino Sukotjo**, Christos Takoudis and Bin Yang 2<sup>nd</sup> Place. Title: Improving Polymethyl Methacrylate using Novel Nano Ceramic Coating. American Prosthodontic Society meeting, 2018, Chicago.
81. Laura Koo Min Chee, Judy Chi Chun Yuan, Alvin Wee, **Cortino Sukotjo**. Title: Color Evaluation of Polymethylmethacrylate with a novel ceramic coating: In vitro and Clinical study. American Academy of Fixed Prosthodontic Meeting, February 22-23, 2019. Chicago.

82. Edward Song, Mathew Mathew, **Cortino Sukotjo** and Xie Qian. Endodontic resident. Title: Efficacy of Microelectronic Device against Endodontic Biofilm using a Tooth-Model. Basic/Basic Translational Science. UIC COD Clinic and Research Day. 2019.
83. Elizabeth Mansoori, Christos Takoudis and **Cortino Sukotjo**. UIC Undergraduate student. Title: Atomic Layer Deposition Technology in Medicine and Dentistry. UIC COD Clinic and Research Day. 2019.
84. Sarah Hashemi Astaneh, **Cortino Sukotjo**, Christos Takoudis. Title: Atomic Layer Deposition of Silver Thin Film on Polydimethylsiloxane (PDMS). Advanced Surface Engineering Division. Abstract # 93. AVS 66<sup>th</sup> International Symposium & Exhibition, October 20, 2019
85. Sarah Hashemi Astaneh, **Cortino Sukotjo**, Christos Takoudis. Title: Nucleation and Growth of Titanium Dioxide Thin Film on Polydimethylsiloxane By Atomic Layer Deposition (ALD), 2019 AICHE Annual Meeting in Orlando, FL.
86. Yale Cho, Judy C. Yuan, Alvin Wee, **Cortino Sukotjo**. Title: The perceptibility and acceptability threshold of the translucency parameter for porcelain crowns. 2020 American Academy of Fixed Prosthodontics Meeting. Chicago, IL. Abstract #60
87. Mesk Samara, Christine Lee c, Amit Trivedi, Qian Xie, Russel Pesavento, **Cortino Sukotjo**, Mathew Mathew. Title: Saliva as a Diagnostic Tool in Smart Healthcare. Abstract #430. UIC COD Clinic and Research Day. 2020
88. Sarah Hashemi Astaneh, **Cortino Sukotjo**, Christos G. Takoudis c. Collagen Membrane with Silver Particulated Thin Film via ald Functionalization. Abstract #444. UIC COD Clinic and Research Day. 2020
89. Elizabeth Mansoori, **Cortino Sukotjo**, Mathew Mathew. Title: Wear Characteristics and Volume Loss of Cad/Cam Ceramics in Dentistry. Abstract #510. UIC COD Clinic and Research Day. 2020
90. Adam Kwiatkowski, Alexandira Reale Reyes, **Cortino Sukotjo**, Alexandra Rodriguez, Daisy Salazar. Title: Single-retainer Cad/Cam Resin Bonded Fxed Partial Denture. Abstract #512. UIC COD Clinic and Research Day. 2020
91. Yale Cho, Judy Yuan, Alvin Wee, **Cortino Sukotjo**. Title: Perceptibility/acceptability Threshold of the Translucency Parameter for Porcelain Crowns. Abstract #514. UIC COD Clinic and Research Day. 2020
92. Rezkalla ME, Lee C, Meris S, Christos Takoudis, **Cortino Sukotjo**, Mathew Mathew Title: Surface Coatings/modifications for Dental Implants. Abstract #533. UIC COD Clinic and Research Day. 2020
93. Ahmad Watsiq Maula, Mustika Arini, Judy Yuan, **Cortino Sukotjo**. Title: Edentulism in Aging Population: Study from Indonesia. Abstract #579. UIC COD Clinic and Research Day. 2020
94. Mustika Arini, Ahmad Watsiq Maula, Judy Yuan, **Cortino Sukotjo**. Title: Impact of Social Determinants and Medical Conditions on Edentulism in Indonesia's Aging Population. American Prosthodontic Society Meeting. Chicago, IL, 2020.
95. Sarah Hashemiastaneh, Christos Takoudis and **Cortino Sukotjo**. Title: Silver Nano Particles Deposited on Collagen Membrane via Atomic Layer Deposition: Characterization and Biocompatibility. American Prosthodontic Society, Chicago, IL, 2020.
96. Ellie Park, Rosemay Seelaus and **Cortino Sukotjo**. Title: Efficacy of Disinfectants on Silicone Maxillofacial Prostheses: A Systematic Review. The student poster session, American College of Prosthodontists Annual meeting, Online Meeting. 2020
97. Stephanie Schreiber, Judy Chia-Chun Yuan, Markus Santoso and **Cortino Sukotjo**. Title: Virtual Reality Program of Dental Implant Surgery: Student Perception The student poster session, 2020 American College of Prosthodontists Annual meeting, Online Meeting. 2020
98. Ellie Park, Rosemay Seelaus and **Cortino Sukotjo**. Title: Efficacy of Disinfectants on Silicone Maxillofacial Prostheses: A Systematic Review. Student poster session (PO-030), American Dental Education Association Annual meeting, Online Meeting. 2021
99. Stephanie Schreiber, Judy Chia-Chun Yuan, Markus Santoso and **Cortino Sukotjo**. Title: Virtual Reality Program of Dental Implant Surgery: Student Perception. Student poster session (PO-064), 2020 American Dental Education Association Annual meeting, Online Meeting. 2021

100. Obed Timotius, Ariyanti Rezeki, **Cortino Sukotjo**, Nina Ariani. Title: High Perceived Stress in Dental Specialty Programs, One Institution Experience. Student poster session (PO-038), 2020 American Dental Education Association Annual meeting, Online Meeting. 2021
101. Mostafa Alhamad, Valentim Barao, **Cortino Sukotjo** and Mathew Mathew. Title: Variations in Dental Implant Electrochemical Behavior in the Presence of Ti-ions and Ti-particles: A Pilot Study. Society For Biomaterials 2021 Annual Meeting. April 20 – 23, 2021.
102. Mostafa Alhamad, Valentim Barao, **Cortino Sukotjo**, Lyndoon Cooper, and Mathew Mathew. Ti-ions and/or Particles in Saliva Potentially Aggravate Dental Implant Corrosion. IADR 2021
103. Dominique Erica Bertucci, Javid Yunus Patel, Judy Chia-Chun Yuan, Markus Santoso and **Cortino Sukotjo**. The use of AR etypodont to enhance patient's oral health literacy regarding dental Implant Parts and treatment, a Randomized Controlled Study. IADR 2021
104. Aadithya Gowthaman, Linda Kirova, Bingyu Li, Patrick Molen, Ines Said, Jordan Smith, Austin Stanbury, **Cortino Sukotjo** and Markus Santoso. Immersive Learning with AI-enhanced Virtual Standardized Patient (VSP) to Improve Dental Student's Communication Proficiencies. The Fourteenth International Conference on Advances in Computer-Human Interactions. ACHI 2021 July 18-22, 2021. Nice, France

### Scholarly Presentations:

1. Sukotjo, C., Eilber, K., Ozawa, S., Ogawa, T., and Nishimura, I. Three-dimensional Analysis of Collagen Fiber Architecture Organized by Fibroblasts, in vitro. Presented at the Poster Presentation IADR 1999 Meeting, Van Couver, Canada.
2. Sukotjo, C., Ogawa, T., S. Ozawa, S. and Nishimura, I. Molecular Cloning and Characterization of A Novel Gene Derived from Edentulous Oral Mucosa. Presented at the Arthur R. Frechette Award Competition at IADR 2000 Meeting, Washington DC, USA.
3. Sukotjo, C., Ogawa, T., Ozawa, S. and Nishimura, I. Characterization of A Novel Gene Derived from Edentulous Oral Mucosa. Presented at the Maxillofacial Prosthetics in the 21<sup>st</sup> Century. American Academy of Maxillofacial Prosthetics, November 2000, Kauai, Hawaii, USA.
4. Sukotjo, C., Song, K., Huang, T., Ogawa, T., and Nishimura, I. Wit 3.0, A Novel Gene Differentially Expressed in Oral Mucosa Wound Healing, Facilitating Oral Mucosa Wound Contraction. 2<sup>nd</sup> Annual Southern California Wound Healing Symposium. March 29, 2002. Keck School of Medicine, University of Southern California.
5. Osteoclastic Phenotypic Characterization on Different Titanium Implant Surface Topographies, a Preliminary Report. Academy of Osseointegration, San Antonio, Texas, 2007.
6. Problem-based Learning at the Harvard School of Dental Medicine: Self-assessment on Performances in Postdoctoral Training. Department of Medical Education. College of Medicine. UIC. Feb 11, 2009.
7. University of Indonesia, Faculty of Dentistry, KPPIKG, 2009: Multidisciplinary Approach for Complex Implant Cases.
8. Implication of Bio-Corrosion in Dentistry. ICMCTF 2010, San Diego, May 2010
9. Invited speaker. University of Gajah Mada, Faculty of Dentistry, Jogjakarta, 2010: Multidisciplinary Approach for Complex Implant Cases.
10. September 2011, University of Estadual Paulista (UNESP)- Aracatuba Dental School. Implant Dentistry @UIC, from Curriculum to Clinical and Basic Sciences Research
11. University of Airlangga, Faculty of Dentistry, Surabaya, November 2011: Dental Treatment, from simple to complex cases.
12. Invited speaker. Health Professional Education Quality International Conference (HPEQ) Dec 5-6<sup>th</sup>, 2011, Bali, Indonesia. Keynote speaker: "Dental Implant Treatment for partially and fully edentulous patient"
13. Invited speaker. Title: How to write and publish a scientific paper. University of Padjadjaran Bandung, December 9<sup>th</sup>, 2011.

14. Invited speaker.. Corrosion: Myth or Fact? Academy of Prosthodontics. May 20<sup>th</sup>. Jackson Hole, Wyoming, 2012
15. Invited speaker.. Current Research Trends in Implant Dentistry. Research Experiences for Undergraduates (REU). Engineering Research Facility. July 26<sup>th</sup> 2012. UIC-NSF.
16. Invited speaker.. Current Research Trends in Implant Dentistry. Michigan Technological University. December 6<sup>th</sup>, 2012. ITI study club, Jakarta, Indonesia.
17. Invited speaker. Implant Dentistry @UIC, from Curriculum to Clinical and Basic Sciences Research. National University of Singapore. November 7<sup>th</sup>, 2012. Singapore.
18. Invited speaker. Implant Dentistry @UIC, from Curriculum to Clinical and Basic Sciences Research. University of Hongkong, February, 2013. Hongkong.
19. Implant Mandibular Overdenture by Using Locator Abutment. November 10<sup>th</sup>, 2012. ITI study club, Jakarta, Indonesia.
20. Current Trend in Implant Dentistry: Mandibular Overdenture. November 7<sup>th</sup>, 2012 ITI study club, Singapore, Singapore.
21. UIC-College of Dentistry. "Promoting Educational Research at UIC, March 12, 2014.
22. Invited speaker. February 21<sup>st</sup>, 2014. "Inter-professional Education workshop", The 3<sup>rd</sup> Dental Technology Exhibition and Meeting, Integrating Science Technology and Culture. University of Brawijaya, Faculty of Dentistry, Indonesia
23. Keynote speaker. February 22<sup>nd</sup>, 2014. "Dental Implant treatment for simple and complex cases", The 3<sup>rd</sup> Dental Technology Exhibition and Meeting, Integrating Science Technology and Culture. Faculty of Dentistry, University of Brawijaya, Indonesia
24. Invited speaker. February 26<sup>th</sup>, 2014. "Dental Implant treatment for simple and complex cases", Faculty of Dentistry, University of Brawijaya, Indonesia
25. Invited speaker. March 4<sup>th</sup>, 2014. "Inter-professional Education workshop", Faculty of Dentistry, University of Padjadjaran, Indonesia,
26. Invited Speaker, "Implant Dentistry @UIC, from Curriculum to Clinical and Basic Sciences Research ", April 2, 2014. University of Campinas, Piracicaba Dental School, Sao Paulo, Brazil. Invite
27. Invited Speaker, "Current Implant Research at UIC-COD", April 3, 2014. University of Campinas, Piracicaba Dental School, Sao Paulo, Brazil.
28. Main and Invited Speaker, Encontro Do Group Brasileiro De Reciclagem Em Proteese E Implante, Brazil, April 5<sup>th</sup>, 2014. Title: "Dental Education in the US, from Predoc to AEP, AAMP, ACP and ABP"
29. Invited Speaker. April 7<sup>th</sup>, 2014. Title: "Current Trends in Implant Research". School of Science, UNESP, Campus de Bauru, Brazil.
30. Invited Speaker, Title: "Implant Dentistry @UIC, from Curriculum to Clinical and Basic Sciences Research ". April 30<sup>th</sup>, 2014. Ribeirao Preto School of Dentistry – University of Sao Paulo. Brazil.
31. Invited speaker. December 13<sup>th</sup>, 2014. "Dental Implant treatment for simple and complex cases". University of Jenderal Achmad Yani, Cimahi, Indonesia.
32. Invited speaker. December 15<sup>th</sup>, 2014. "How to write and article and get published in International Journal". Faculty of Dentistry, University of Brawijaya, Indonesia.
33. Invited speaker. December 16<sup>h</sup>, 2014. "The use of Nanotechnology in Medicine and Dentistry". Faculty of Dentistry, University of Brawijaya, Indonesia.
34. Invited speaker for AADR NSRG Hands-on Workshop. "Leaders in Dental Specialty". March 14<sup>th</sup>, 2015. 2015 IADR, Boston, Massachusetts.
35. Speaker for Short Talks of ADEA Teaching and Learning with Emerging Technologies and Informatics. Title: Integrating of Cad Cam Technology into Implant Predoctoral Curriculum. March 8<sup>th</sup>, 2015. 2015 ADEA Annual Session and Exhibition.
36. Invited Speaker, "How to Publish Article in International Journal ", September 16, 2015. Faculty of Dentistry, University of Padjadjaran, Bandung, Indonesia.
37. Invited Speaker, "Prosthodontics Treatment in the USA", September 18, 2015. Department of Prosthodontic. Faculty of Dentistry, University of Padjadjaran, Bandung, Indonesia.
38. Invited Speaker, "How to Study Abroad", September 19, 2015. Faculty of Dentistry, University of Padjadjaran, Bandung, Indonesia.

39. Invited Speaker, "Cambra and Prosthodontic Treatment", September 19, 2015. Faculty of Dentistry, University of Padjadjaran, Bandung, Indonesia.
40. Invited Speaker, "ALD TiO<sub>2</sub> Coated Dentin induces Ca-P Nucleation", September 29, 2015. University of Campinas, Piracicaba Dental School, Sao Paulo, Brazil.
41. UIC-COD, Research Journal Club Series: "Problem-Based Learning in Dental Education: A Systematic Review of the Literature". March 15<sup>th</sup>, 2016
42. UIC-COD, Faculty Research Seminar Series: "Dental Implant Corrosion, Myth or Fact", April 5<sup>th</sup>, 2016
43. Academy of Prosthodontics. Title: Enhanced Performance of Collagen Fiber Functionalized with Room Temperature Atomic Layer Deposited Titania. Sarasota, Florida, 2017
44. Invited Speaker. Title: Digital curriculum in Predoctoral Implant Program at UIC. Brazilian Division of IADR (SBPQO) annual congress, 2018
45. Invited Speaker, Title: Complication in Implant Dentistry. The 5<sup>th</sup> International Scientific Seminar in Periodontics. Medan, Indonesia. October 19-20, 2018
46. Invited Speaker. Title: University of Indonesia and UIC collaboration. Faculty of Dentistry, University of Indonesia, July 8<sup>th</sup>, 2019
47. Workshop leader. Title: How to write a scientific paper. Faculty of Dentistry, University of Indonesia, July 9<sup>th</sup>, 2019
48. Invited Speaker. Title: How to continue your study abroad. Faculty of Dentistry, University of Indonesia, July 10<sup>th</sup>, 2019
49. Workshop leader. Title: Leadership and Organization. Faculty of Dentistry, University of Indonesia, July 11<sup>th</sup>, 2019
50. Invited Speaker, Howard Brown Dental Clinic, Chicago, IL. Title: Predoctoral Implant Program at UIC-COD, how can we collaborate? June 17<sup>th</sup>, 2019
51. Invited Speaker, The 4<sup>th</sup> Periodontic Seminar. Periodontics in Millennial Era, Title: Advancement in Implant Dentistry, Surabaya, Indonesia. August 24-25, 2019.
52. Invited Speaker, Title: Interprofessional Education at UIC-College of Dentistry. The 4<sup>th</sup> International Conference on Global Health, Jakarta, Indonesia. September 27<sup>th</sup>, 2019
53. Invited Speaker, Title: Implant Treatment Competency in Advanced Prosthodontics Program at UIC. KPPIKG, Faculty of Dentistry, University of Indonesia, October 10<sup>th</sup>, 2019
54. Webinar, Invited Speaker, Title: Predoctoral Implant at UIC, Clinic and Research. Ataturk University, Faculty of Dentistry, Turkey. May 15<sup>th</sup>, 2020
55. Webinar, Invited Speaker, Title: Dental Practice Post-Covid 19. Nigerian Dental Association. May 16<sup>th</sup>, 2020
56. Webinar, Invited Speaker, Title: Dental Practice Post-Covid 19. Indonesian Dentist Association. Indonesia. May 17<sup>th</sup>, 2020
57. Webinar, Invited Speaker, Title: Tips for Success in Virtual Dental Education Training during Pandemic Covid 19. Indonesia Dental Faculty Association. May 18<sup>th</sup>, 2020
58. Webinar, Invited Speaker, Title: Dental Education during Covid 19. Faculty of Dentistry, Padjadjaran University, Bandung, Indonesia. May 19<sup>th</sup>, 2020
59. Webinar, Invited Speaker, Title: Back to Clinic during Pandemic Covid 19. Faculty of Dentistry, Gadjah Mada University, Jogjakarta, Indonesia. June 8<sup>th</sup>, 2020
60. Webinar, Invited Speaker, Title: Predoctoral Implant at UIC, Clinic and Research. Christian Dental College, Ludhiana, India. June 9<sup>th</sup>, 2020
61. Webinar, Invited Speaker, Title: Back to Clinic, UIC approach. Faculdade De Odontologia, UNESP-Aracatuba, Brazil. June 18<sup>th</sup>, 2020
62. Webinar, Invited Speaker, Title: Back to Clinic, UIC approach. Faculty of Dental Medicine, Universitas Airlangga, Surabaya, Indonesia. June 26<sup>th</sup>, 2020
63. Webinar, Invited Speaker, Title: Predoctoral Implant at UIC, From Clinic, Research to Virtual Reality. Faculty of Dental Medicine, International Islamic University, Malaysia. July 18<sup>th</sup>, 2020
64. Webinar, Invited Speaker, Title: Sharing Experiences in Clinical Education during Pandemic Covid 19. Indonesia Dental Faculty Association. July 24<sup>th</sup>, 2020
65. Webinar, Invited Speaker, Title: Dental Research in the Pandemic: How Could It Be Possible? Telemedicine Program. Kyushu University, Japan. August 5<sup>th</sup>, 2020.

66. Webinar, Invited Speaker, Title: Updates on Covid 19 for Dental Practitioner. Faculty of Dentistry, Brawijawa University, Indonesia. September 13<sup>th</sup>, 2020
67. Webinar, Invited Speaker, Title: The Use of Technology in Dental Education During Covid 19. Faculty of Dentistry, Padjadjaran University, Indonesia. September 14<sup>th</sup>, 2020.
68. Webinar, Invited Speaker, Title: Updates on Covid 19 for Dental Practitioner. Padjadjaran University, Indonesia. September 25<sup>th</sup>, 2020
69. Webinar, Invited Speaker, Title: Where are we? Virtual and Augmented Reality in Dental Education. American Dental Education Association. October 8<sup>th</sup>, 2020
70. Webinar, Invited Speaker, Title: Current Advanced Technology used in Dentistry. Faculty of Dentistry, University Andalas, Padang, Indonesia. September 27<sup>th</sup>, 2020
71. Webinar, Invited Speaker, Title: Where are we? Virtual and Augmented Reality in Dental Education. American College of Prosthodontists, Educators Forum, November 4<sup>th</sup>, 2020
72. Webinar, Invited Speaker, Title: The Profile of U.S. Prosthodontics Program Directors. American College of Prosthodontists, Educators Forum, November 4<sup>th</sup>, 2020
73. Webinar, Invited Speaker, Title: Current Update on Digital Dentistry. Faculty of Dentistry, University of Sumatra Utara, Medan, Indonesia. November 6<sup>th</sup>, 2020
74. Webinar, Invited Speaker, Title: Cad Cam Dentistry. Faculty of Dentistry, Padjadjaran University, Bandung, Indonesia. November 9<sup>th</sup>, 2020
75. Webinar, Invited Speaker, Title: Updates on Covid 19 for Dental Practice. Dentistry in Current Life Conference, Mulawarman University, Kalimantan Timur, Indonesia. November 12<sup>th</sup>, 2020
76. Webinar, Invited Speaker, Title: Updates on Covid 19 for Dental Practice. International Dental Conference of Sumatra Utara, Medan, Indonesia. November 17<sup>th</sup>, 2020
77. Webinar, Invited Speaker, Title: Cad Cam Dentistry. Faculty of Dentistry, University of Indonesia, Jakarta, Indonesia. November 21<sup>th</sup>, 2020
78. Webinar, Invited Speaker, Title: Predoctoral Implant Program at UIC. World Class Professor Program. Faculty of Dentistry, University of Sumatra Utara, Medan, Indonesia. November 24<sup>th</sup>, 2020
79. Webinar, Invited Speaker, Title: Dental Implant Research. World Class Professor Program. Faculty of Dentistry, University of Sumatra Utara, Medan, Indonesia. December 1<sup>st</sup>, 2020
80. Webinar, Invited Speaker, Title: The Use of Technology in Dental Education During Covid 19. Faculty of Dentistry, Brawijawa University, Malang, Indonesia. December 5<sup>th</sup>, 2020.
81. Webinar, Invited Speaker, Title: The Use of AR and VR in Dental Education. World Class Professor Program. Faculty of Dentistry, University of Sumatra Utara, Medan, Indonesia. December 8<sup>th</sup>, 2020
82. Webinar, Invited Speaker, Title: Introduction about Dental Implant. Aceh International Conference in Dentistry. Faculty of Dentistry, University of Syiah Kuala, Aceh, Indonesia. December 12<sup>th</sup>, 2020.
83. Webinar, Invited Speaker, Title: How to Prepare Your Academic Career. World Class Professor Program. Faculty of Dentistry, University of Sumatra Utara, Medan, Indonesia. December 14<sup>th</sup>, 2020
84. Webinar, Invited Speaker, Title: The Use of AR and VR in Dental Education. School of Dentistry, University of Minnesota. December 18<sup>th</sup>, 2020
85. Webinar, Invited Speaker, Title: VR and AR in Dental Education. Are We There Yet? International Association of Dental Student. January 23<sup>rd</sup>, 2021
86. Webinar, Invited Speaker, Title: Implant Components and Impression Technique. School of Dentistry, University of Benin, Nigeria. February 12<sup>th</sup>, 2021
87. Webinar, Invited Speaker, Title: DMD and Predoctoral Implant Curriculum at UIC College of Dentistry. Faculty of Dentistry, University of Indonesia, Indonesia. February 16<sup>th</sup>, 2021
88. Webinar, Invited Speaker, Title: Introduction about Dental Implant. Faculty of Dentistry, University of Indonesia, Jakarta, Indonesia. February 22<sup>th</sup>, 2021
89. Webinar, Invited Speaker, Title: Future and Challenge of Dental Education. Faculty of Dentistry, University of Gadjah Mada, Jogjakarta, Indonesia. March 4<sup>th</sup>, 2021
90. Webinar, Invited Speaker, Title: Dental Implant Corrosion Research. Ewha Womans University, Graduate School of Clinical Dentistry. Department of Perio-Prosthodontics. Seoul, South Korea. March 5<sup>th</sup>, 2021

91. Webinar, Invited Speaker, Title: Implant Complications. Faculty of Dentistry, University of Indonesia, Jakarta, Indonesia. March 12<sup>th</sup>, 2021
92. Webinar, Invited Speaker, Title: Updates on the use of AR/VR in dentistry/dental education. ADEA Section on Prosthodontics Members Forum. March 12<sup>th</sup>, 2021
93. Interview with Voice of America. Title: Virtual Reality in Dentistry (In Indonesian). March 13<sup>th</sup>, 2021.  
[https://www.instagram.com/tv/CPO69K\\_t-fW/?utm\\_medium=copy\\_link](https://www.instagram.com/tv/CPO69K_t-fW/?utm_medium=copy_link)  
<https://www.voaindonesia.com/a/dua-dosen-indonesia-di-as-buat-klinik-dokter-gigi-virtual/5904101.html>  
<https://fb.watch/5GRJiynXcv/>
94. Webinar, Invited Speaker, Title: The Development of Virtual Dental Standardized Patient (VDSP) to Improve History Taking and Communication Skills. ADEA Teaching & Learning with Emerging Technologies & Informatics Section: Short Talks 2021. March 16<sup>th</sup>, 2021
95. Webinar, Invited Speaker, Title: Dental Implant Research. Mid-Year meeting. International Association of Dental Student. April 12<sup>th</sup>, 2021
96. Webinar, Invited Speaker, Title: Cad Cam Dentistry. Faculty of Dentistry, University of Airlangga, Surabaya, Indonesia. April 17<sup>th</sup>, 2021
97. Webinar, Invited Speaker, Title: The use of AR and VR in Dentistry. Bahçeşehir University School of Dental Medicine, Istanbul, Turkey. April 16<sup>th</sup>, 2021
98. Webinar, Invited Speaker, Title: Implant Dentistry, Part 1. Faculty of Dentistry, Gadjah Mada University, Jogjakarta, Indonesia. April 22<sup>nd</sup>, 2021
99. Webinar, Invited Speaker, Title: Dental Education During Covid 19: US Experience. Dental Students' Scientific Conference (DSSC). Faculty of Dental Medicine, International Islamic University, Malaysia. April 27<sup>th</sup>, 2021
100. Podcast with Patrick O'Shea, Ph.D. Ed Media Program Director, Reich College of Education, Appalachian State University. Title: virtual Reality in Dental Education. May 3<sup>rd</sup>, 2021.  
[https://www.podomatic.com/podcasts/versatilist/episodes/2021-05-30T12\\_04\\_29-07\\_00](https://www.podomatic.com/podcasts/versatilist/episodes/2021-05-30T12_04_29-07_00)
101. Webinar, Invited Speaker, Title: Cad-Cam Dentistry, Faculty of Dentistry, Ahmad Yani University, Cimahi, Indonesia. June 6<sup>th</sup>, 2021
102. Webinar, Invited Speaker, Title: Implant Dentistry, Part 2. Faculty of Dentistry, Gadjah Mada University, Jogjakarta, Indonesia. June 9<sup>th</sup>, 2021
103. Webinar, Invited Speaker, Title: Cad-Cam Dentistry, Faculty of Dentistry, Mulawarman University, Samarinda, Indonesia. June 15<sup>th</sup>, 2021
104. Webinar, Invited Speaker, Title: Cad-Cam Dentistry, Faculty of Dentistry, Trisakti University, Jakarta, Indonesia. July 15<sup>th</sup>, 2021
105. Webinar, Invited Speaker, Title: Implant Dentistry for Predoctoral Student, Part 1, School of Dentistry, Faculty of Medical Sciences, THE UNIVERSITY OF THE WEST INDIES, Mona Campus, Jamaica, W.I. July 6<sup>th</sup>, 2021
106. Webinar, Invited Speaker, Title: Implant Dentistry for Predoctoral Student, Part 2, School of Dentistry, Faculty of Medical Sciences, THE UNIVERSITY OF THE WEST INDIES, Mona Campus, Jamaica, W.I. July 13<sup>th</sup>, 2021
107. Webinar, Invited Speaker, Title: Implant Dentistry for Predoctoral Student, Part 3, School of Dentistry, Faculty of Medical Sciences, THE UNIVERSITY OF THE WEST INDIES, Mona Campus, Jamaica, W.I. July 20<sup>th</sup>, 2021
108. Webinar, Invited Speaker, Title: Implant Dentistry for Predoctoral Student, Part 4, School of Dentistry, Faculty of Medical Sciences, THE UNIVERSITY OF THE WEST INDIES, Mona Campus, Jamaica, W.I. July 27<sup>th</sup>, 2021
109. Webinar, Invited Speaker, Title: Implant Treatment for Fully Edentulous Patient, The 6<sup>th</sup> Join Specific Meeting in Dentistry. Faculty of Dentistry, Airlangga University, Surabaya, Indonesia. July 31<sup>st</sup>, 2021
110. Webinar, Invited Speaker, Title: Implant Complications, The 6<sup>th</sup> NASSIP, International Seminar in Periodontology and Periodontal Related Problem. Faculty of Dentistry, Gadjah Mada University, Jogjakarta, Indonesia. August 13<sup>th</sup>, 2021
111. Webinar, Invited Speaker, Title: Cad-Cam Dentistry, Faculty of Medicine, Sriwijaya University, Palembang, Indonesia. September 10<sup>th</sup>, 2021

112. Webinar, Invited Speaker, Title: The use of AR and VR in dentistry. Faculty of Dentistry and Faculty of Computer Science, Yarsi University, Jakarta, Indonesia. September 15<sup>th</sup>, 2021
113. Webinar, Invited Speaker, Title: Virtual Reality in Dentistry, Are We There Yet? Digital Grand Rounds: Augmented Reality, Virtual Reality, and Wearable Technology in Dentistry. University of Minnesota, School of Dentistry. March 12, 2022.

## Grants

| No |                                                                               | Status            |
|----|-------------------------------------------------------------------------------|-------------------|
| 1  | Title: The role of Osteoclast in Implant Osseointegration                     | Funded, Completed |
|    | Grant Source: Milton Research Award, Harvard Medical School                   |                   |
|    | Grant Amount: \$15,000                                                        |                   |
|    | Grant Period: 2006-2007                                                       |                   |
|    | Role: PI                                                                      |                   |
| 2. | Title: The Role of Nicotine in Implant Endodontic Lesion Formation            | Funded, Completed |
|    | Grant Source: Krakow Harvard/Forsyth Endowed Endodontic Research Fund         |                   |
|    | Grant Amount: \$2500                                                          |                   |
|    | Grant Period: 2007-2008                                                       |                   |
|    | Role: Primary Mentor                                                          |                   |
|    | PI: Kuan-Liang Chen DDS and David Baker (DMD HSDM Class of 2008).             |                   |
| 3. | Title: The Role of Nicotine in Implant Osseointegration                       | Funded, Completed |
|    | Grant Source: American Academy of Implant Dentistry                           |                   |
|    | Grant Amount: \$2500                                                          |                   |
|    | Grant Period: 2007-2008                                                       |                   |
|    | Role: Primary Mentor                                                          |                   |
|    | PI: Joel Berleh (DMD student, HSDM)                                           |                   |
| 4. | Title: Resident Selection in Advanced Graduate Program in Prosthodontics      | Funded, Completed |
|    | Grant Source: The Greater New York Academy of Prosthodontics student research |                   |
|    | Grant Amount: \$1000                                                          |                   |
|    | Grant Period: 2007-2008                                                       |                   |
|    | Role: Primary Mentor                                                          |                   |
|    | PI: Ryan D. Blissett (AGE in Prosthodontics Resident, HSDM)                   |                   |
| 5. | Title: Recall Program in Advanced Graduate Program in Prosthodontics          | Funded, Completed |
|    | Grant Source: The Greater New York Academy of Prosthodontics student research |                   |
|    | Grant Amount: \$1000                                                          |                   |
|    | Grant Period: 2009-2010                                                       |                   |
|    | Role: Primary Mentor                                                          |                   |
|    | PI: Fatemeh Afshari (AGE in Prosthodontics Resident, UIC)                     |                   |
| 6. | Title: Convergent Tissue Engineering for Craniofacial Tissue Regeneration     | Not Funded        |
|    | Grant Source: National Institute of Health (RO3)                              |                   |
|    | Grant Amount: \$150,000                                                       |                   |
|    | Grant Period: 2009-2011                                                       |                   |
|    | Role: Co-Principal Investigator                                               |                   |

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| 7.  | Title: In Vitro Analysis of Corrosion of Titanium and the Effects on Human Gingival Fibroblasts                            | Funded, Completed |
|     | Grant Source: American Academy of Fixed Prosthodontics Tylman Research Program                                             |                   |
|     | Grant Amount: \$4,000                                                                                                      |                   |
|     | Grant Period: 2010-2011                                                                                                    |                   |
|     | Role: Primary Mentor                                                                                                       |                   |
|     | PI: Sahand Zomorrodian (UIC prosthodontics resident)                                                                       |                   |
|     |                                                                                                                            |                   |
| 8.  | Title: Superhydrophilic Implant Surfaces                                                                                   | Funded, Completed |
|     | Grant Source: American College of Prosthodontics                                                                           |                   |
|     | Grant Amount: \$10,000                                                                                                     |                   |
|     | Grant Period: 2011-2012                                                                                                    |                   |
|     | Role: Principal Investigator                                                                                               |                   |
|     |                                                                                                                            |                   |
| 9.  | Title: A Novel Investigation of the Formation of TiO <sub>2</sub> Nanotubes of Ti-6Al-4V formed by Atomic Layer Deposition | Funded, Completed |
|     | Grant Source: IADR Prosthodontic Research student Fellowship                                                               |                   |
|     | Grant Amount: \$4,500                                                                                                      |                   |
|     | Grant Period: 2012-2014                                                                                                    |                   |
|     | Role: Primary Mentor                                                                                                       |                   |
|     | PI: Arman Butt (Ph.D Student BioEngineering, UIC)                                                                          |                   |
|     |                                                                                                                            |                   |
| 10. | Title: Degradation Pathways of the TMJ implant: Wear and Corrosion Interactions                                            | Not Funded        |
|     | Grant Source: National Institute of Health (R21)                                                                           |                   |
|     | Grant Amount: \$275,000                                                                                                    |                   |
|     | Grant Period: 2017-2019                                                                                                    |                   |
|     | Role: Principal Investigator                                                                                               |                   |
|     |                                                                                                                            |                   |
| 11. | Title: A Novel Investigation of the Formation of TiO <sub>2</sub> Nanotubes on Thermally Formed Oxide of Ti-6Al-4V         | Funded, Completed |
|     | Grant Source: American Academy of Implant Dentistry                                                                        |                   |
|     | Grant Amount: \$2,500                                                                                                      |                   |
|     | Grant Period: 2012-2013                                                                                                    |                   |
|     | Role: Primary Mentor                                                                                                       |                   |
|     | PI: Arman Butt (Ph.D Student BioEngineering, UIC)                                                                          |                   |
|     |                                                                                                                            |                   |
| 12. | Title: Drug-Eluting Bone-Healing Titania Nanotube-Based Implants                                                           | Not Funded        |
|     | Grant Source: National Institute of Health (R21)                                                                           |                   |
|     | Grant Amount: \$275,000                                                                                                    |                   |
|     | Grant Period: 2013-2015                                                                                                    |                   |
|     | Role: Co-Principal Investigator                                                                                            |                   |
|     |                                                                                                                            |                   |
| 13. | Title: Tribocorrosion analysis of material used for TMJ implant                                                            | Funded, Completed |
|     | Grant Source: Oral and Maxillofacial Surgery Foundation                                                                    |                   |
|     | Grant Amount: \$75,000                                                                                                     |                   |
|     | Grant Period: 2014-2015                                                                                                    |                   |
|     | Role: Principal Investigator                                                                                               |                   |
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| 14. | Title: Correlation between diagnostic complexity and treatment                                                             | Funded, Completed |

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|     | outcomes: a prospective study                                                                                                          |            |
|     | Grant Source: UIC Wach Fund                                                                                                            |            |
|     | Grant Amount: \$15,000                                                                                                                 |            |
|     | Grant Period: 2014-2015                                                                                                                |            |
|     | Role: Co-Principal Investigator                                                                                                        |            |
|     |                                                                                                                                        |            |
| 15. | Title: Center for Interfacial Science of Transition-Metal Electro-Catalysis and Tissue Mimetics (CISTEM)                               | Not Funded |
|     | Grant Source: National Science Foundation                                                                                              |            |
|     | Grant Amount: \$2,000,000                                                                                                              |            |
|     | Grant Period: 2017-2022                                                                                                                |            |
|     | Role: Co-Principal Investigator                                                                                                        |            |
|     |                                                                                                                                        |            |
| 16. | Title: Multifunctional and Biocompatible Low Temperature ALD-TiO <sub>2</sub> Coating for Dental Caries                                | Not Funded |
|     | Grant Source: National Institute of Health (R21)                                                                                       |            |
|     | Grant Amount: \$200,000                                                                                                                |            |
|     | Grant Period: 2017-2019                                                                                                                |            |
|     | Role: Co-Principal Investigator                                                                                                        |            |
|     |                                                                                                                                        |            |
| 17. | Title: Enhanced Performance of Collagen Fiber Functionalized with Room Temperature Atomic Layer Deposited Titania                      | Not Funded |
|     | Grant Source: National Institute of Health (R21)                                                                                       |            |
|     | Grant Amount: \$270,000                                                                                                                |            |
|     | Grant Period: 2018-2020                                                                                                                |            |
|     | Role: Principal Investigator                                                                                                           |            |
|     |                                                                                                                                        |            |
| 18. | Title: Implant-supported mandibular overdentures as the first choice of treatment for underserved patients                             | Funded     |
|     | Grant Source: Chicago Dental Society                                                                                                   |            |
|     | Grant Amount: \$5000                                                                                                                   |            |
|     | Grant Period: 2010                                                                                                                     |            |
|     | Role: Principal Investigator                                                                                                           |            |
|     |                                                                                                                                        |            |
| 19. | Title: Effect of Nano Ceramic Coating on Color Acceptability and Perceptibility of Polymethylmethacrylate: In Vitro and Clinical Study | Funded     |
|     | Grant Source: American College of Prosthodontics Foundation                                                                            |            |
|     | Grant Amount: \$4,500                                                                                                                  |            |
|     | Grant Period: 2018-2019                                                                                                                |            |
|     | Role: Principal Investigator                                                                                                           |            |
|     |                                                                                                                                        |            |
| 20. | Title: Determining the Perceptibility and Acceptability Threshold of the Relative Translucency Parameter for Porcelain Crowns          | Funded     |
|     | Grant Source: American College of Prosthodontics Foundation                                                                            |            |
|     | Grant Amount: \$4,500                                                                                                                  |            |
|     | Grant Period: 2019-2021                                                                                                                |            |
|     | Role: Principal Investigator                                                                                                           |            |
|     |                                                                                                                                        |            |
| 21. | Title: Bacterial diversity and attachment of silver-coated titanium using ALD technology, in vivo study.                               | Funded     |
|     | Grant Source: The Greater New York Academy of                                                                                          | Funded     |

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|     | Prosthodontics                                                                                                                                                                        |              |
|     | Grant Amount: \$4,000                                                                                                                                                                 |              |
|     | Grant Period: 2019-2021                                                                                                                                                               |              |
|     | Role: Principal Investigator                                                                                                                                                          |              |
|     |                                                                                                                                                                                       |              |
| 22. | Title: Implant Microbiome Characterization of Cement vs Screw Retained Prosthesis: Randomized Control Trial.                                                                          | Funded       |
|     | Grant Source: The Greater New York Academy of Prosthodontics                                                                                                                          |              |
|     | Grant Amount: \$4,000                                                                                                                                                                 |              |
|     | Grant Period: 2019-2020                                                                                                                                                               |              |
|     | Role: Principal Investigator                                                                                                                                                          |              |
|     |                                                                                                                                                                                       |              |
| 23. | Title: Microbiome Analysis of Biofilms in Patients with Zirconia and Acrylic-Titanium Fixed Complete Denture Prostheses                                                               | Funded       |
|     | Grant Source: American Academy of Fixed Prosthodontics                                                                                                                                |              |
|     | Grant Amount: \$5,000                                                                                                                                                                 |              |
|     | Grant Period: 2019-2020                                                                                                                                                               |              |
|     | Role: Principal Investigator                                                                                                                                                          |              |
|     |                                                                                                                                                                                       |              |
| 24. | Title: Implant-supported mandibular overdentures as the first choice of treatment for underserved patients                                                                            | Funded       |
|     | Grant Source: Chicago Dental Society                                                                                                                                                  |              |
|     | Grant Amount: \$5,000                                                                                                                                                                 |              |
|     | Grant Period: 2019-2020                                                                                                                                                               |              |
|     | Role: Co-Principal Investigator                                                                                                                                                       |              |
|     |                                                                                                                                                                                       |              |
| 25. | Title: Implant supported overdentures as the first choice to improve access to care for senior                                                                                        | Not Funded   |
|     | Grant Source: American Dental Association                                                                                                                                             |              |
|     | Grant Amount: \$18,500                                                                                                                                                                |              |
|     | Grant Period: 2020-2021                                                                                                                                                               |              |
|     | Role: Co-Principal Investigator                                                                                                                                                       |              |
|     |                                                                                                                                                                                       |              |
| 26. | Title: The UIC PIP Commitment: Improving Oral Health through Education, Service and Collaboration                                                                                     | Not Selected |
|     | 2020 ADEA Gies Award for Achievement: Academic Dental Institution                                                                                                                     |              |
|     | Role: Principal Investigator                                                                                                                                                          |              |
|     |                                                                                                                                                                                       |              |
| 27  | Title: Novel mask functionalization with Cu and Ag atomic layer deposition for real-time antimicrobial and antiviral properties                                                       | Submitted    |
|     | Grant Source: National Science Foundation                                                                                                                                             |              |
|     | Grant Amount: \$208,598                                                                                                                                                               |              |
|     | Grant Period: 06/01/2021-05/31/2023                                                                                                                                                   |              |
|     | Role: Co-Principal Investigator                                                                                                                                                       |              |
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| 28  | Title: MRI: Acquisition of an Ambient-Pressure X-Ray Photoelectron Spectrometer for Research and Education on Chemical and Electronic Characterization of Solid-Gas Interfaces at UIC | Submitted    |
|     | Grant Source: National Science Foundation                                                                                                                                             |              |

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|  | Grant Amount: \$629,930             |  |
|  | Grant Period: 06/01/2021-05/31/2023 |  |
|  | Role: Co- Investigator              |  |