**1. Personal details**

Das Amit

Researcher identifier: <https://orcid.org/0000-0002-2579-1369>,

Year of birth: 1971

Nationality: German

Website: <https://www.ipfdd.de/en/organization/personal-homepages/dr-amit-das/>

Scientific publication in peer reviewed Journals: >**200**, Total Citation: **~5900**, H-index: **40**

**e-mail:** **amit.das@tuni.fi****,** **das@ipfdd.de**

**2. Education and degrees completed**

26.05.2004 PhD, Polymer Science Unit/ Indian Association for the Cultivation of Science/ Jadavpur/ Calcutta/ India

1997 Master Degree in Physical Chemistry, Department of Chemistry /Visva-Bharati

University / India

**3. Current position**

2005 - till date Scientist, Leibniz Institute of Polymer Research Dresden, Dresden, Germany

2016 – till date Adjunct Professor, Tampere University of Technology, Finland

**4. Previous work experience**

1999 – 2005 Research Scholar, Polymer Science Unit/ Indian association for the Cultivation of Science/ Jadavpur, Clacutta/ India

2011 – 2015 Visiting Professor, Tampere University of Technology, Finland

**Govt. Fellowships**

1999 – 2005 Junior and Senior Research Fellowship /IACS/ India

**5. Career breaks**

Not applicable

**6. Leadership and supervision experience**

2005 – till date Number of Postdocs/ PhD/ Master Students: 3/10/16

**7. Teaching experience**

2011 – till date – Elastomer Technology, Tampere University of Technology/ Tampere/ Finland

Course Offered : Elastomer Technology Basic Course and Advanced Course to the Master’s Program in Materials Science, TUT, Finland

**8. Experience of organizing scientific meetings**

Acted as member of organization committee for different international seminar and conferences, For example: Committee | PPS Europe-Africa 2019 Regional Conference

**9. Personal research funding and grants**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Project Title* | *Funding source* | *Period* | *Fund* | *Involvement*  |
| Soft Materials Robotic SystemUltra-soft long-range strain and self-powered touch sensors for soft robot segment | DFG (Immigration fund)DFG (SPP 2100) | 2021-20232019-2022 | 196,000 €313,050 € | Principle InvestigatorPrinciple Investigator |
| Self-powered Sensors | Continental Tires, Germany  | 2016-2018 | 50,000 € | Principle Investigator and Coordinator |
| Bio-based rubber compounds for Sustainable Tire Industries | JK Tyre, India | 2017-2018 | 20,000 € | Principle Investigator |
| Several Industrial project with different task | ContiTech, Süd Chemie, Rockwood Additives, Evonik, Lanxess, Nora, Thyssenkrupp, Bosch, Festo, Rhein Chemie | 2008-till date | Aprox. 500,000 € | Co-Investigator |

**10. Patents, inventions, awards and honours**

Applied 14 patents in Germany and other countries: DE102016109620(A1), US2017342240(A1), WO2014012819(A1), DE102010043448(A1), DE102007042496 (A1) , DE102012214511 (A1), US2016194483 (A1, DE102011001658 (A1), JP2016529376 (A), JP2015522688 (A) etc.

2016 Spark Thomas Award by American Chemical Society (for outstanding contributions and innovations in the field of elastomers by younger scientists, technologists, and engineers)

2016-till date: Adjunct Professorship, Tampere University of Technology, Finland

2016 Young Scientist award as Advanced Promotion from IPF, Dresden

2015 Call to a Full Professorship, Tampere University of Technology, Finland - declined

2013 Finland Distinguished Professor- Fellow (FidiPro-Fellow)

2010 Innovation prize Leibniz Institute of Polymer Research Dresden, Dresden, Germany

**11. Other key scientific or academic merits**

External Examiner of many PhD/Master’s Thesis, University of Capetown, Johenesberg Univeisits, South Africa; IIT Kharagpur, India; IIT Guahati, India, Kalinga University of technology, KIT, India, University of Peshawar, Pakisthan, etc.

Examiner/Reviewer of many scientific project from different countries: Natural Sciences and Engineering Research Council of Canada, Technology Foundation STW The Netherlands, The Czech Science Foundation GACR, Fonds National de la Recherche (FNR) Luxembourg (The Luxembourg Institute of Science and Technology (LIST)), National Research Foundation Singapore (NRF), The National Centre for Research and Development (NCRD), Poland etc.

**12. Memberships and positions of trust in scientific societies**

Associated Editor: ACS Rubber Chemistry and Technology, Materials Today Communication, Molecules

Life time member of ACS Rubber Division

Editorial Board member of Scientific Journal: Member of Editorial Board, SciFed Journal of Polymer Science, Elastomeri,

**13. Scientific and societal impact:** During last 10 years came into contact a plenty of rubber product producing company including Tyre Companies. As an outcome several national and international patents have been filed along with institute and companies’ names and finally able to commercialize some of the research innovations (see the author list in patents and publication). The co-operation partners are Continental Tyre, Apollo Tyres, ContiTech, Süd Chemie, Rockwood Additives, Evonik, Lanxess, Nora, Thyssenkrupp, Bosch, Festo, Rhein Chemie and many other small companies.

**Societal visibility:** Several news and magazines are appeared with our highlighted works (can be found by searching google, youtube etc.)