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| kan.rithy@itc.edu.kh  |
| Sex Male | Date of birth 12/08/1993 | Nationality Cambodian  |

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| WORK EXPERIENCE |   |

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| 2020-Present | Higher Education Improvement Project Supported by Ministry of Education, Youth, and Sports, and the World Bank<http://www.moeys.gov.kh/en/> National Research Project ConsultantThe Higher Education Improvement Project (HEIP) was approved by the Board of Directors of the World Bank on April 26, 2018and became effective on 17 September 2018. The HEIP activities are funded by an International Development Association (IDA) Credit of US$ 90.0 million equivalent and US$2.5 million from the Royal Government of Cambodia. The project is expected to be implemented over a 6-year period – starting in July 2018 and ending in June 2024.The project main beneficiaries include: support activities in five targeted public Higher Education Institutions (HEIs), relevant departments in the Ministry of Education, Youth and Sport (MoEYS), and selected private HEIs. The public HEIs include three within Phnom Penh – the Institute of Technology Cambodia (ITC), the Royal University of Agriculture (RUA), the Royal University of Phnom Penh (RUPP), and other two in the provinces – the Svay Rieng University (SRU) and the University of Battambang (UBB). The Phnom Penh-based public HEIs were selected because they represent the top institutes in the areas of Science, Technology, Engineering and Mathematics (STEM) and Agriculture education and research in the country. |
| 2018 – 2020  | Institute of Technology of Cambodia, Cambodia |
| <http://www.itc.edu.kh/en/>  |
| Researcher-Lecturer at Research and Innovation Centre Faculty of Geo-resources and Geotechnical Engineering |
| • Geo-thermal Project“A Development of Geological Mapping at Te Teuk Pus Hot Spring, Kampong Speu Province, Cambodia” supported by Lab Based Education Fund (LBE) of JICA since 2019 – 2020. The aim of research is to create geological map of Te Teuk Pus hot spring area for future study of geothermal energy, geological setting, potential of ore deposit, and environmental conservation.• Atmospheric Project“Aerosol Monitoring Network in Phnom Penh” collaborated between Kanazawa University and Institute of Technology of Cambodia since 2018 – Present. The particulate matters (PM) are monitored by networking sampling with ASEAN university. It concerns on PM from micron to submicron as well as its associated include carbon element and polycyclic aromatic hydrocarbons (PAHs).“The Project for Effective Implementation of EIA and Pollution Control through the Capacity Development of Ministry of Environment of Cambodia” funded by Ministry of Environment of Cambodia from 2018 – 2021.The ambient particles, PM2.5, are monitored for policy formulation of air quality index. The experiment is conducted across the Phnom Penh city.• Biomass Project“Wood Fuel Saving from Bamboo to Charcoal, Torrefaction, Pellet, Briquette and Activated Carbon” funded by Angkor Gold Corp. from 2018 – 2020.Bamboo obtained from the northern part of Cambodia is about to convert to energy products including torrefied bamboo, charcoal, pellets and briquettes for small and medium enterprises (SME).  |
| Aug – Sep 2014 | Cambodia Muhibbah (Cambodia) Engineering Co., Ltd, Cambodia |
| <http://www.muhibbah.com>  |
| Internship student  |
| “Rock Blasting and Crushed Stone Production” |

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| EDUCATION  |   |

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| 2015 – 2019  | Prince of Songkla University, Thailand |  |
| M.Eng. Environmental Engineering |
| “Combustion characteristic of pellets fuels and emission form lignite blended with rubber wood sawdust”Concerned on: Energy Enhancement and Emission Reduction |
| 2010 – 2015  | Institute of Technology of Cambodia, Cambodia  |  |
| Engineering Degree of Geo-resources and Geotechnical Engineering  |
| “Upgrading feldspar and quartz from slime by froth floatation technique”Concerned: Mineral recovery from mining waste |
| Jan – May 2015  | Chulalongkorn University, Thailand |  |
| One Semester Exchange Student |
| Geo-resources Engineering |

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| RESEARCH INTEREST |   |
|  | 1. Waste to Energy
2. Biomass Energy and Desification
3. Combustion and Atmospheric Particles
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| Publication |   |

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| JournalConferencesPresentationHonours and awards | ORCID ID: https://orcid.org/0000-0001-8537-4324\* Kan, R., Kaosol, T., Tekasakul, P., and Tekasakul, S. (2019) “Investigation of Combustion Emission of Lignite and Rubber Wood Sawdust Pellets using a Tube Furnace” *Suranaree Journal of Science and Technology,* 26:1, 303-314.\* Luke, M., Kan, R., Jutidamrongphan, W., and Techato, K. (2019) “Suitability of municipal solid waste in African cities for thermochemical waste-to-energy conversion: The case of Harare Metropolitan City, Zimbabwe” *Waste Management & Research*, 1, 83-94\* Kan, R., Kaosol, T., Tekasakul, P., and Tekasakul, S. (2019) “Risk assessment of particle-bound polycyclic aromatic hydrocarbons derived from combustion of lignite and rubber sawdust pellets: size distribution and human health effects.” *Walailak Journal of Science and Technology*, 16: 10, 805 – 819\* Nat, Y., Hor, S., Taing., Kan, R., Kuok, F., Or, C., Hul, S., Hata, M., Furuuchi, M. (2018) Size distribution of particulate matters surrounding the burning zones of medical wastes in the remote area of Cambodia, *Techno Science Research Journal,* 6, 44-51\* Kan, R., Kungkajit, C., and Kaosol, T (2017). “Recycle of Plastic Bag Wastes with Organic Wastes to Energy for RDF Productions.” *American Journal of Applied Sciences*, 14: 12, 1103-1110• Kan, R., Kaosol, T., and Tekasakul, P. (2016). “Characterization and elemental composition of lignite and rubber wood sawdust pellets.” *Engineering and Applied Science Research*, 43, 259–262• Ho, S., Taing, C., Hul, S., Sok. P., Kan. R., and Furuuchi. M. (2018) “Size Distribution of Particulate Matters and Carbonaceous Aerosols during Common Events in Cambodia” The 11th Regional Conference on Environmental Engineering, Phnom Penh, Cambodia, 218-221• Kan, R., Kaosol, T., Tekasakul, P., and Tekasakul, S. (2017). “Determination of particle-bound polycyclic aromatic hydrocarbons emitted from co-pelletization combustion of lignite and rubber wood sawdust.” *IOP Conference Series: Materials Science and Engineering*, 243, 012045\* “ Combustion Characteristic of Pellet Fuel and Emission from Lignite blended with Rubber Wood Sawdust” The 9th Scientific Day: The Role of Engineering in National Economic Development, May 02, 2019, Institute of Technology of Cambodia\* “Atmospheric Particulate Matters Project” Seminar on Atmospheric Particulate Matter Research for Policy Formation, July 07, 2018, Institute of Technology of Cambodia• Best Conference Paper ”Determination of Particle-Bound Polycyclic Aromatic Hydron Carbons Emitted from Co-pelletization Combustion of Lignite and Rubber Wood Sawdust” International Conference on Computational Fluid Dynamics in Research and Industry (CFDRI 2017), Thailand, 2017• Thailand's Education Hub for ASEAN Countries (TEH-AC) awarded at Prince of Songkla University, 2015 -2017• One Semester Scholarship Program for ASEAN Countries awarded at Chulalongkorn University, Jan – Mar 2015 |

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| References |   |

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