

List of RGJ advisors for the Joint Fellowship Program for Doctoral Study in Thailand academic year 2024

| No. | Field of study | Research title | Name - Surname | Institution | Research stakeholders | Keyword | Telephone | E-mail |
|-----|----------------|--|--|-----------------------------|---|--|------------------|--|
| 1 | Chemistry | Photophysical studies of binding DNA and pi-conjugated fluorene derivatives | Associated Prof. Thitinu Karkird, Ph.D. | Kasetsart University | Collaborated with Prof. Bo Albinsson, Department of Physical Chemistry, Chalmers University of Technology, Gothenburg, Sweden | Fluorenes, DNA binding, photophysical properties, fluorescence spectrometry | (+66) 0935399556 | fscitnm@ku.ac.th |
| 2 | Chemistry | Selective Fluorescence Sensing of D-Proline and D-Alanine in Saliva via Molecularly Imprinted Polymer Coupled with Graphene Quantum Dots (MIP-GQDs) for Gastric Cancer Detection | Associate Prof. Dr. Purim Jarujamrus | Ubon Ratchathani University | 1. Ubon Ratchathani Cancer Hospital 2. Ubon Ratchathani University Hospital | Gastric cancer, D-amino acid, D-proline, D-alanine, Biosensor, Fluorescence sensor, Molecular imprinted polymer (MIP), Diagnosis, Graphene quantum dots (GQDs) | (+66) 0956059061 | purim.j@ubu.ac.th prim310@hotmail.com |
| 3 | Chemistry | The Discovery of Anti-multidrug Resistant Bacteria Candidates based on Lugdunin and Mortimaide Scaffold | Asst. Prof. Panumart Thongyoo | Thammasat University | None | Lugdunin, Anti-superbug activity, Antibiotic, Cyclic peptide, Mortiamide | (+66) 0870711249 | tpanumas@tu.ac.th |
| 4 | Mathematics | Efficient Optimization Algorithms for Applying in Dementia Screening Using Deep Learning Technique | Assoc. Prof. Dr. Watcharaporn Cholamjiak | University of Phayao | University of Phayao hospital | Dementia, Data Classification, Deep Learning, Optimization Algorithm, Screening | (+66) 0895583052 | watcharaporn.ch@up.ac.th |
| 5 | Mathematics | On the Evolution Equation with Nonlinear Damping and Source | Asst. Prof. Sawanya Sakuntasathien, Ph. D. | Silpakorn University | None | Solution, Evolution Equation, Hyperbolic Equation, Source, Damp | (+66) 0876755552 | sakuntasathien_s@su.ac.th |

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| 6 | Physics | Transition metal decorated reduced graphene oxide nanocomposites for photocatalytic dye degradation | Assoc. Prof. Sirikanjana Thongmee, Ph. D. | Kasetsart University | None | Reduced Graphene Oxide, Nanocomposites, Metal oxide nanoparticles, Dyes, Photodegradation | (+66) 0869993234 | fscitnm@ku.ac.th |
| 7 | Physics | DFT-based machine learning force field for materials information | Assoc. Prof. Adisak Boonchun, Ph. D. | Kasetsart University | None | DFT-based machine learning, Machine Learning Force Field, predicting material properties | (+66) 0840123400 | adisak.bo@ku.th |
| 8 | Physics | Investigation on spintronic thermoelectric based on the transparent thin film | Assoc. Prof. Athorn Vora-ud Ph. D. | Sakon Nakhon Rajabhat University | None | transparent thin film, spintronic thermoelectrics, anomalous Nernst effect | (+66) 0639690453 | athornvora-ud@snru.ac.th |
| 9 | Biology | Development of smart genosensors for detection of carbapenem resistant Enterobacteriales in clinical samples | Asst. Prof. Dr. Kamornrat Phopin | Mahidol University | AFTER LAB COMPANY LIMITED | Carbapenem resistant Enterobacteriales, Genosensor, Electrochemistry | (+66) 0830919008 | kamonrat.php@mahidol.edu |
| 10 | Biology | Combining biochar with lipopeptide-producing bacteria for sustainable cropping systems | Asst. Prof. Dr. Juangjun Jumphathong | Naresuan University | None | Biochar, Lipopeptide, Bacillus, Microbial Community, Sustainable Cropping Systems, Arbuscular Mycorrhizal Fungi | (+66) 055962731 (+66) 0846115383 | juangjun@nu.ac.th |

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| 11 | Biology | Roles of advance glyated and products in the progression of cholangiocarcinoma in diabetic conditions | Asst. Prof. Charupong Saengboonmee, M.D., Ph.D. | Khon Kaen University | None | Diabetes mellitus, Cholangiocarcinoma, Hyperglycemia, Glycation, Glucose Metabolism | (+66) 0879539769 | charusa@kku.ac.th |
| 12 | Biology | Development of folic acid-decorated niosomes for targeted delivery of cytotoxic drug combining with lutein as pro-oxidant against breast cancer cells | Prof. Dr. Praneet Opanasopit | Silpakorn University | None | folic acid, niosomes, pro-oxidant, lutein, breast cancer | (+66) 0909710710 | opanasopit_p@su.ac.th |
| 13 | Biology | Utilization of anthocyanin compounds from purple Napier grass in combination with selenium on plasma antioxidant and yield efficacy in meat goats in the summer season | Associate Prof. Dr. Pramote Paengkoum | Suranaree University of Technology | 1. Dan Khun Tod Agricultural Cooperative Limited 2. Non-Sung Agricultural Cooperative Limited 3. Zahira Farm | Anthocyanin, Purple Napier Grass, Selenium, Anti-oxidant, Summer Season | (+66) 044224575 (+66) 0872353974 | pramote@sut.ac.th |
| 14 | Biology | Defect on DNA damage repair of myeloid cells in ischemic reperfusion injury using conditional mgmt-deleted LysM-Cre mice, the possible impacts of MGMT Inhibitor in kidney disease | Asada Leelahavanichkul | Chulalongkorn University | None | methylguanine methyltransferase, macrophage, neutrophil, LysM-Cre mice | (+66) 0817149750 | aleelahavanit@gmail.com |