

2019 SATU Joint Research Scheme Program

Co-Principal Investigator (Co-PI) CV

1. Personal Information

First Name		Middle Name		Family Name	
Nationality			E-mail		
Address					
Telephone	(Office)		(Mobile)		

2. Education (Only the highest degree earned; if degree is pending, please indicate.)

Institution	Nation	Department/Program	Degree	Dates
				From ____/____/____ to ____/____/____

3. Current Position and Professional Experience

(Indicate full-time positions in research, beginning with current position)

Institution	Department/Program	Position	Duration
			From ____/____/____ to ____/____/____
			From ____/____/____ to ____/____/____
			From ____/____/____ to ____/____/____
			From ____/____/____ to ____/____/____
			From ____/____/____ to ____/____/____



4. Fields of Expertise

(List primary and secondary expertise in research-related disciplines)

1.	2.	3.	4.
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5. Research Topic and Abstract of Research Project

Please describe briefly the proposed research project, including the aims, envisaged results and benefit to both sides from this collaboration, and its potential impact.

6. Outputs

Please explain the proposed output of the research, and the plans for publication or other dissemination. Please also state the policy agreed between the two groups concerning publication of results and the attribution and exercise of Intellectual Property Rights (IPR).

7. Publication List:

- (1) Please list all papers or works published in the past five years, including articles published in periodicals, books, conference papers, technical reports, etc. (List in descending order of importance.)
- (2) List all works in order of publication date. Provide information on each work in this order: names of authors (in the order as published, mark corresponding author with an asterisk*), year and month of publication, title, name of journal (and publisher), and page numbers. For works that have been accepted for publication but not officially printed, attach publisher's letter of acceptance.
- (3) Indicate if a paper has been indexed in the Science Citation Index, Engineering Index, Social Science Citation Index or Arts & Humanities Citation Index

2019 SATU Joint Research Scheme Projects List

Project Code	Principal Investigator (PI)				Co-PI from Same Unit
	Name of PI	Host University	Host Unit	Project Title and Project Details Hyper Link	
CMU 1	Tawei Chu	Chiang Mai University	Chiang Mai University	A Study Of Sesan Riverine Communities' Livelihood, With A Focus On Cambodia'S Stung Treng Province	N/A
HU 1	Duc Huy Nguyen	Hue University	Institute of Biotechnology	Investigation The Role Of Fusarium Oxysporum Laccase System In Response To The Synthetic Dyes	N/A
HU 2	Hoang Khanh Linh Nguyen	Hue University	International School	Strengthening Sustainable Urban Toward Green City	Thi Phuong Tran
HU 3	Nhân Hào Trần Việt	Hue University	Faculty of Physics, University of Education	Nuclear Physics	N/A
NCKU 1	Chia-Yu Lin	National Cheng Kung University	Department of Chemical Engineering	Development Of Earth-Abundant Materials Based Electrocatalysts For Seawater Splitting	N/A
NCKU 2	Wan-Ju Yeh	National Cheng Kung University	Department of Law	The Regulation And Liability Of Artificial Intelligence Application In Medical Treatments And Auxiliary Services	N/A

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NCKU 3	Watchareeya Kaveevivitchai	National Cheng Kung University	Department of Chemical Engineering	High-Capacity Energy Storage Based On Affordable And Environmentally-Friendly Materials	N/A
NCKU 4	Wei Hsin Chen	National Cheng Kung University	Department of Aeronautics and Astronautics	Wet Torrefaction In Acidic Solution Of Microalgae Biomass For Co-Production Of Biochar	N/A
NCKU 5	Xiao Ding Qi	National Cheng Kung University	Department of Materials Science and Engineering	Artificial Flux Pinning Centers For Enhanced Current Transport In Fete1-Xsex Superconductor	Jennifer Kung
NCKU 6	Yan-Jye Shyong	National Cheng Kung University	School of Pharmacy	Blood Brain Barrier Penetrate Carrier Exosome Stimulation With Biomaterials For Mental Drugs Delivery	N/A
NCKU 7	Yu-Chuan Lin	National Cheng Kung University	Dept. of Chemical Engineering	Multifunctional Oxide Catalysts To Produce Renewable Chemicals From Ethanol	N/A
NCKU 8	Kuan-Zong Fung	National Cheng Kung University	Dept of Materials Sci & Engineering/HIGEM	Development Of Functional Materials For Electrochemical Energy Devices	N/A

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	Name of PI	Host University	Host Unit	Project Title and Project Details Hyper Link	
NCKU 9	Kuang-Yen Liu	National Cheng Kung University	Department of Civil Engineering	Virtual Reality-Based Path Teaching And Programming System For Multi-Industrial Robots	N/A
NCKU 10	Guey Chuen Peng	National Cheng Kung University	Institute of Basic Medical Sciences	Emerging And Re-Emerging Infectious Diseases In Maternal Health	N/A
NCKU 11	Ing-Chao Lin	National Cheng Kung University	Department of Computer Science and Information Engineering	Deep Learning Acceleration Using Hardware-Software Codesign On Fpga	N/A
NCKU 12	Jiun-Jih Miao	National Cheng Kung University	Department of Aeronautics and Astronautics	Complex Interaction Studies Between The Primary And Inner Vortices Of Delta-Shaped Diamond And Saccon Wing Models.	N/A
NCKU 13	Jo-Shu Chang	National Cheng Kung University	Research Center for Circular Economy	Sustainable Approach To Wastewater Treatment Using Symbiotic Co-Cultivation Of Microalgae And Bacteria	N/A
NCKU 14	Li Wang	National Cheng Kung University	Department of Electrical Engineering	A Hybrid Ac/Dc Microgrid System With Various Renewable-Energy Resources	N/A

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NCKU 15	Rong-Fu Kuo	National Cheng Kung University	Medical Device Innovation Center	Development Of Automatic Salivary Suction In Elderly Patients	Yu-Sheng Lin
NCKU 16	Rong-Ju Cherng	National Cheng Kung University	Institute of Allied Health Sciences, College of Medicine	Application Of Video-Based Exergames For Children With Disabilities	N/A
NCKU 17	Torbjörn Nordling	National Cheng Kung University	Department of Mechanical Engineering	Deep Learning And Learning In Children	N/A
UM 1	Ab Halim Bin Abu Bakar	University of Malaya	UM Power Energy Dedicated Advanced Centre (UMPEDAC)	Partial Discharge Detection And Classification In Medium Voltage Underground System	Mohd Syukri Bin Ali
UM 2	Shin Yee Fung	University of Malaya	Department of Molecular Medicine, Faculty of Medicine	Medicinal Mushrooms / Mushroom Based Natural Products For Health And Wellness	Muhammad Fazril Bin Mohamad Razif
UM 3	Boon Tong Goh	University of Malaya	Low Dimensional Materials Research Center	Investigation Of The Physical Properties And Magnetic Phase In Controlled Growth Ni₃Si₂ Nanowires For Smart Storage Devices	N/A

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	Name of PI	Host University	Host Unit	Project Title and Project Details Hyper Link	
UM 4	Hazlie Bin Mokhlis	University of Malaya	Department of Electrical Engineering	Quantitative Resilience Assessment Of Power System With Distributed Energy Resources	Nurulafiqah Nadzirah Binti Mansor
UM 5	Hazreena Binti Hussein	University of Malaya	Hazreena Hussein	Neighbourhood Park Characteristics In Stress Problems Among Adolescent	N/A
UM 6	Hazreena Binti Hussein	University of Malaya	Hazreena Hussein	Campus Green Space In Universities From The Aspect Of Psychological Well-Being	N/A
UM 7	Joon Ching Juan	University of Malaya	Nanotechnology & Catalysis Research Centre (NANOCAT)	Photocatalysis For Environment Remediation	N/A
UM 8	Sook Mei Khor	University of Malaya	Department of Chemistry	Smart Sensor Kit For Breast Cancer	Nur Aishah Binti Mohd Taib
UM 9	Lik Voon Kiew	University of Malaya	University of Malaya	Development Of Ultrasound-Responsive-Biostealth-Nano-Pouch For Effective Delivery And Controlled-Release Of Tumour Penetrating Metallic Nanoparticles	Chung Lip Yong

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UM 10	Chin Wei Lai	University of Malaya	Nanotechnology & Catalysis Research Centre (NANOCAT)	Metal - Phosphate Bilayers With Anatase Surface Modification For Enhanced Photoelectrochemical Water Splitting	Mohd. Rafie Johan
UM 11	Chin Wei Lai	University of Malaya	Nanotechnology & Catalysis Research Centre (NANOCAT)	Advanced Oxidation Processes For Wastewater Treatment Using Solar-Activated Carbon-Tio2 Nanotubes Film	Mohd. Rafie Johan
UM 12	Siow Wee Chang	University of Malaya	University of Malaya	Development Of Automated Knee Osteoarthritis Diagnosis Using Deep Learning Approach	Tan Sik Loo
UM 13	Khin Wee Lai	University of Malaya	University of Malaya	https://drive.google.com/open?id=1xJ2d-12BMwV9z-DVtSj-Imm1HtQzNjnI	N/A
UM 14	Beng Fye Lau	University of Malaya	Institute of Biological Sciences	New Generation Schizophyllum Commune (Cendawan Kukur): Immunomodulatory And Anti-Inflammatory Activities Of Selected Hybrids In Relation To Their Chemical Composition	Adawiyah Suriza Shuib; Ling Tau Chuan
UM 15	Tau Chuan Ling	University of Malaya	Institute of Biological Sciences	Development Of Efficient Wastewater Treatment Strategy Utilizing Microalgae-Bacteria Co-Cultivation	Show Pau Loke

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UM 16	Chu Kiong Loo	University of Malaya	Faculty of Computer Science & Information Technology	Personalized Healthcare And Wellness Using Fuzzy Markup Language	N/A
UM 17	Mee Lee Looi	University of Malaya	Biomedical Science	Testing Of Nanofiber Scaffolded Marine Active Compound On A 3D Hyperglycemic Cellular Wound Model	Umah Rani A/P Kuppusamy
UM 18	Mohd Roslan Bin Mohd Nor	University of Malaya	Academy of Islamic Studies	Middle East Issues Or Religious Extremism	Achour Meguellati
UM 19	Nasrudin Bin Abd. Rahim	University of Malaya	UM Power Energy Dedicated Advanced Centre (UMPEDAC)	Plasmonic Metal Nanoparticles For Improved Natural Based Dye-Sensitize Solar Cells (DSSC)	Khairus Syifa Binti Hamdan
UM 20	Nazatul Liana Sukiman	University of Malaya	Department of Mechanical Engineering	Synergistic Effect Of Self-Lubricating Nanoporous Surface And Ultrafine Grained Microstructure On Corrosion Characterization Of Aluminium Alloys In Biodiesel Fuelled Engine	Masoud Sarraf
UM 21	Nazzatush Shimar Binti Jamaludin	University of Malaya	Chemistry	Designing Water-Soluble Metal Complexes Of Thiulates As Potential Agents Against Metastasis Of Cancer Cells.	N/A

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UM 22	Nor Aliya Binti Hamizi	University of Malaya	University of Malaya	Novel Mono-Dispersion And Anti Cadmium Leaching By Cadmium Selenide Quantum Dots	Hairul Anuar Bin Tajuddin
UM 23	Sioh Wee Chang	University of Malaya	Institute of Biological Sciences, Faculty of Science	Integrated Multi-Omics Analytical Framework For Biomarkers Discovery In Alzheimer' S Disease	Cheah Phaik Leng
UM 24	Nor Hafizah Binti Ramli	University of Malaya	Department of Civil Engineering, Faculty of Engineering	Experimental And Analytical Investigation Of Square Cfdst Columns Subjected To Axial Compressive, Cyclic And Push-Out Loading	Zainah Binti Ibrahim
UM 25	Nurhidayatullaili Binti Muhd Julkapli	University of Malaya	Nanotechnology and Catalysis Research Center (NANOCAT)	Development Of Biodegradable And High Strength Rubber Composites	Wageeh Abdulhadi Yehya Dabdawb
UM 26	Nurhidayatullaili Binti Muhd Julkapli	University of Malaya	Nanotechnology and Catalysis Research Center (NANOCAT)	Activated Carbon Modification And Its Water Treatment Applications	Zaira Zaman Chowdhury
UM 27	Nurshamimi Bte Nor Rashid	University of Malaya	Department of Molecular Medicine, Faculty of Medicine	Blocking Negative Effects Of Senescence In Normal Human Dermal Fibroblast Cells With Quercetin	N/A

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UM 28	Boon Hoong Ong	University of Malaya	Nanotechnology and Catalysis Research Centre	Metal Oxide Nanostructures For Sensor Applications	Mohd Rafie Bin Johan
UM 29	Hwai Chyuan Ong	University of Malaya	University of Malaya	Renewable -Jet-Fuel Development From Tropical Biomass	N/A
UM 30	Raja Ariffin Bin Raja Ghazilla	University of Malaya	Dept of Mechanical Engineering	Development Of A Soft Trunk-Hip Exoskeleton For Prevention Of Lumbar Spine Injury Among The Workforce Population	Yap Hwa Jen
UM 31	Raja Ariffin Bin Raja Ghazilla	University of Malaya	Dept of Mechanical Engineering	Exploring The Affective Values Of Green Design For Automotive Development To Promote Sustainable Society	Salwa Hanim Binti Abdul Rashid
UM 32	Raja Ariffin Bin Raja Ghazilla	University of Malaya	Dept of Mechanical Engineering	Development Of A Flexible Knee Exoskeleton Brace For Management Of Knee Osteoarthritis Among The Elderly And Workforce Population	Yap Hwa Jen
UM 33	Rosazlin Abdullah	University of Malaya	Institute of Biological Sciences	Biosorption Of Heavy Metals Onto Palm Based Biochar	Ling Tau Chuan

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UM 34	Siow Wee Chang	University of Malaya	University of Malaya	Identification Of Chili Plant Disease Using Machine Learning Approach: A Step Towards Precision Agriculture	N/A
UM 35	Saad Mekhilef	University of Malaya	Department of Electrical engineering	Wireless Power Transfer Based Electric Vehicle Charging With Negligible Power Transfer Fluctuation	N/A
UM 36	Seong Ling Yap	University of Malaya	Faculty of Science	Cold Plasma Treatment	N/A
UM 37	Siti Rohani Binti Sheikh Raihan	University of Malaya	UM Power Energy Dedicated Advanced Centre (UMPEDAC)	Development And Modelling Of Electric Vehicle Charging Tariff	Nasrudin Bin Abd. Rahim
UM 38	Boon Chin Tan	University of Malaya	Centre for Research in Biotechnology for Agriculture	Understanding Transcriptional Regulatory Networks In Drought Responses In Banana	N/A
UM 39	Choo Hock Tan	University of Malaya	University of Malaya	Harnessing Proteomic, Immunoprofiling And Neutralization Strategies To Unleash The Therapeutic Potentials Of Taiwanese Snake Antivenoms	N/A

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UM 40	Yin Yin Teo	University of Malaya	Colloidal Chemistry	Formulation And Physico-Chemical Studies Of Chemically Modified Arabic Gum Microgel For Drug Delivery	Misni Bin Misran
UM 41	Hwa Jen Yap	University of Malaya	Department of Mechanical Engineering, Faculty of Engineering	Augmented Reality-Based Programming And Simulation System Of An Industrial Robotic Work Cell	Siti Nurmaya Binti Musa
UM 42	Hwa Jen Yap	University of Malaya	Department of Mechanical Engineering, Faculty of Engineering	Virtual Reality-Based Path Teaching And Programming System For Multi-Industrial Robots	Siti Nurmaya Binti Musa
UM 43	Hwa Jen Yap	University of Malaya	Department of Mechanical Engineering, Faculty of Engineering	Real-Time Ergonomic Simulation And Assessment For Workspace Design Using Virtual Reality Technology	Noor Azuan Bin Abu Osman
UM 44	Hwa Jen Yap	University of Malaya	Department of Mechanical Engineering, Faculty of Engineering	Automatic Position Tracking And Reprograming Of A Collaborative Robot With Seventh-Axis Linear Movement	Azuddin Bin Mamat
UM 45	Chin Fei Chee	University of Malaya	Nanotechnology and Catalysis Research Centre	Investigation Of A Small Molecule Um-C162 Anti-Virulence Agent For Suppression Of Staphylococcus Aureus Infections And Biofilm Formation	Tay Sun Tee

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UM 46	Yarub Kahtan Abdul-Rahman Al-Douri	University of Malaya	Nanotechnology and Catalysis Research Center	Advanced Nanosecond Pulsed Laser Ablation To Produce Colloidal Nanoparticles For Antibacterial In Asia	Mohd Rafie Johan
UM 47	Yasmin Abdul Wahab	University of Malaya	Nanotechnology and Catalysis Research Centre (NANOCAT)	Investigation Of Enhancement-Mode (E-Mode) Gallium Nitride Power Devices	N/A
UM 48	Yasmin Abdul Wahab	University of Malaya	Nanotechnology and Catalysis Research Centre (NANOCAT)	Developments Of Nanomaterial Quantum Dots (Qds) For Third Generation Photovoltaics (Pv) Application	N/A
UM 49	Yasmin Abdul Wahab	University of Malaya	Nanotechnology and Catalysis Research Centre (NANOCAT)	Development And Application Of Swcnt Based Aptasensors To The Sensitive Detection Of Pathogens Or Proteins.	Mohd Rafie Bin Johan
UM 50	Zaira Zaman Chowdhury	University of Malaya	University of Malaya	Catalytic Degradation Of Poly Aromatic Hydrocarbon (Pahs): Experimental And Computational Approach Using Carbon Nano-Spheres (Cns) Infused Binary Metal Oxide Nano-Composite (Mo)	Rafie Bin Johan

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UM 51	Zaira Zaman Chowdhury	University of Malaya	University of Malaya	Hybridization Of Carbon Nanotube-Gold Catalyst: Combination Of Solar Driven, Highly Adsorption And Efficient Photo-Catalytic Degradation Of Persistent Organic Pollutant (Pops) Mitigation	Rafie Bin Johan
UM 52	Zaira Zaman Chowdhury	University of Malaya	University of Malaya	Synthesis Of Deep Eutectic Solvent Functionalized Ncc Composite Films, Physio-Chemical Characterizations, Protein Separation And Microbial Adhesion Properties: Effect Of Hydrogen Bond Donor (Hbd)	Rafie Bin Johan
UM 53	Kae Yi Tan	University of Malaya	University of Malaya	Structural And Biological Characterization Of Taiwanese And Malaysian Cobra Cytotoxins For Insights Into Improvement Of Snakebite Treatment And Drug Discovery	N/A
UM 54	Sek Peng Chin	University of Malaya	University of Malaya	In-Silico Inhibitor Discovery And Design Targeting Lrrk2 Roc Domain	Chee Chin Fei
UM 55	Ching Yern Chee	University of Malaya	Chemical Engineering	Preparation And Characterization Study Of Poly(Lactic Acid) (Pla)/Cassava Starch Hybrid Materials Reinforced With Cellulose And Silica Nanomaterials	Sampath Thennakoon

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UM 56	Wen Tong Chong	University of Malaya	Department of Mechanical Engineering	Design And Experimental Study Of The Living Green Wall Integrated With Wind-Solar-Rain Eco-Roof System	Masjuki Bin Haji Hassan
UM 57	Clarence Augustine Th Tee	University of Malaya	National Cheng Kung University	A Novel Micro Gas Chemical Sensing Device & System For Volatile Organic Compounds (Vocs)	N/A
UNAIR 1	Irwanto	Universitas Airlangga	Department of Child Health Faculty of Medicine	Disaster Education Curriculum Of Health Profession	N/A
UNAIR 2	Zainal Abidin Achmad	Universitas Airlangga	Doctoral Program, Faculty of Social and Political Sciences	Shifting Relations Between Radio Listeners, Programming And Management Of Radio In Network Society (Virtual Ethnographic Studies In The Mediamorfosis Of Cultural Radio In East Java)	Rachmah Ida
UNAIR 3	Kacung Marijan	Universitas Airlangga	Universitas Airlangga	Political Formation Of Street Islam 212	Moch.Mubarak Muharam
UNAIR 4	Moses Glorino Rumambo Pandin	Universitas Airlangga	Faculty of Humanities	Developing A Multidisciplinary Bioethics Subject Based On Agile Learning Design Method	Prihartini Widiyanti

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UNAIR 5	Moses Glorino Rumambo Pandin	Universitas Airlangga	Faculty of Humanities	Shaping Social Character Building Through Poetry For Children In Prison	Christinawati
UNAIR 6	Myrtati Dyah Artaria	Universitas Airlangga	Universitas Airlangga	Life History Of Transgender Female To Male—“Priawan” In Indonesia	Dwi Prasetyo
UNAIR 7	Poppy Febriana	Universitas Airlangga	Doctoral Degree of Social Sciences	Beauty Transgression And Instagram Celebrity	Rachmah Ida
UNAIR 8	Rachmah Ida	Universitas Airlangga	Faculty of Social and Political Science	Exploring The Prodigy Of Brain Drain Of Highly Intellectuals And Its Impact On The Social Development Of Indonesia	Muhammad Saud
UNAIR 9	Santi Isnaini Arifin	Universitas Airlangga	Universitas Airlangga	University Branding In Asia In The Context Of Internationalization	Dina Septiani
UNAIR 10	Yayan Sakti Suryandaru	Universitas Airlangga	Universitas Airlangga	Forensic Communication Of Political Activists In The Digital Public Space In The Context Of The 2019 Presidential Election	Fitria Widiyani Roosinda

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UPM 1	Khalina Bt. Abdan	Universiti Putra Malaysia	Universiti Putra Malaysia	Fundamental Study And Modification Of Kenaf Fiber Reinforced Polypropylene Biocomposite For 3D Printing Filaments	Lee Ching Hao
UPM 2	Lee Seng Hua	Universiti Putra Malaysia	Institute of Tropical Forestry and Forest Products	Thermal Treatment On Tropical Wood	Lee Ching Hao
UPM 3	Maiza Binti Tusimin	Universiti Putra Malaysia	Faculty of Medicine and Health Science	A Pilot Study On The Treatment Of Patients With Non-Obstructive Azoospermia (Johnsen' S Score 2-7) Using Testicular Injection Of Autologous Platelet - Rich Plasma	Habibah Abdul Hamid
UPM 4	Mohd Zahirasri Bin Mohd Tohir	Universiti Putra Malaysia	Department of Chemical and Environmental Engineering	Development Of Evacuation Strategy For The Occupants In Low Cost High Rise Apartment In The Event Of Fire	N/A
UPM 5	Muhammad Zulfadli Bin Mehat	Universiti Putra Malaysia	Pharmacology Unit	Pharmacokinetic And Pharmacodynamic Studies Of Vitexin Compound For Alzheimer'S Disease In Animal Model	Muhamad Afiq Faisal Bin Yahaya
UTAR 1	Bernard Saw Lip Huat	University Tunku Abdul Rahman	UTAR Center of Vehicular Technology	Development Of The Paper-Based Aluminium-Air Battery	N/A

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VNUHCM 1	Le Thi Kim Phung	Vietnam National University, Ho Chi Minh City	Vietnam National University, Ho Chi Minh City	Production Of Lignin-Derived Oxygen-Free Aromatics From Rice Straw To Apply For High Calorific Biofuels	Tan Viet Tran
VNUHCM 2	Tran Van Hieu	Vietnam National University, Ho Chi Minh City	University of Science, Vietnam National University HCM City	Development Of Biocompatible Polymer-Based Hydrogel Thin Film Incorporating With Fibroblast Growth Factor (Fgf-2) For Burn Treatment On Murine Model	Huynh Kien Quang/ Tran Thi Hong Diep/ Tran Nguyen Thao Suong/ Nguyen Le Duy/ Tran Nguyen Thu Minh/ Le Khanh Thien
VNUHCM 3	Vo Van Toi	Vietnam National University, Ho Chi Minh City	Biomedical Engineering Department, International University of Vietnam National Universities HCM City	Design And Applications Of An Electrospinner In Tissue Engineering And Regenerative Medicine	Thi Hiep Nguyen