

RESEARCH OFFICER (SCHEME Q)

Research Officer (Q)	Expertise	Research Interest	CV Link
1. Abdah Karimah Binti Che Md Nor School of Health Sciences karimah@usm.my	- Molecular biology techniques (Polymerase Chain Reaction (PCR) and Real-Time PCR (qPCR) - Cloning, DNA extraction from bacteria and clinical specimens, - Thermostabilization (freeze-drying) of PCR reagents, and Lateral flow assay. - Cell culture techniques - cell treatment, RNA extraction, cDNA synthesis and gene expression. - Animal study: breast cancer animal model: Evaluation of new drugs for the treatment of breast cancer.	- Development of molecular diagnostic assays for the detection of infectious diseases. - Evaluation of drug candidates for the treatment of autoimmune diseases (e.g. psoriasis) in 'in vitro' models.	https://drive.google.com/file/d/1Gi8UIQByJxp8Ss1Kb2txgt0T483C-aF4/view?usp=drive_link
2. Ahmad Fadly Bin Jusoh Centre for Global Archaeological Research ahmad_fadly@usm.my	- Archaeology, Archaeometry, XRD, XRF, FT-IR, Raman, Luminescence Dating	- Archaeology - Archaeometry - Material Science - Luminescence Dating	https://staffusm-my.sharepoint.com/:b:/g/personal/ahmad_fadly_usm_my/EcZn--d4bRFFjEp6sHiKsMcB0Lq23MGhLSaWmqPRERz_AA?e=DR87vn
3. Ahmad Shalihin Bin Mohd Samin National Poison Centre asms@usm.my	- Bidang kepakaran saya adalah toksikologi alam sekitar yang berkaitan dengan pendedahan kepada bahan kimia dan kawalan tembakau yang melibatkan kesihatan umum.	- Dioxins exposure among workers - Kitchen Emissions - Cigarette and Vape/e-Cig laboratory analysis - Tobacco control policy evaluation	https://staffusm-my.sharepoint.com/:b:/g/personal/asms_usm_my/Ecw_0CMIKlhAuDQkTcfOaVMBKtUJeQ4IWdMw1rVeqbN-yw?e=bcfbVE

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4. Ahmad Syahir Bin Zulkipli Centre for Global Archaeological Research syahirzulkipli@usm.my	- Self operated - Scanning electron microscopy, nanoparticle imaging, Energy Diffraction X-ray Spectrometer (EDX), digital microscopy, portable raman, portable XRF, archeological survey, foreign material analysis. Archeometry in general and also Microbiology and tissue culture.	- Archeometry, nanoparticle imaging, material analysis, digital imaging, ISO analysis	https://staffusm-my.sharepoint.com/:b:/g/personal/syahirzulkipli_usm_my/EUGKwE2tuz9KuJfA8_St8W0B24w_qw3Zcz8S9PMo!Lt27A?e=NpzkwU
5. Ainolsyakira Binti Mohd Rodhi Analytical Biochemistry Research Centre (ABrC) ainolsyakira@usm.my	- Analytical chemistry, Liquid Chromatography Mass Spectrometry, Gas chromatography Mass Spectrometry, Isotope Ratio Mass Spectrometry	- Halal Project, Environmental Studies, Food Safety	https://staffusm-my.sharepoint.com/:w:/g/personal/ainolsyakira_usm_my/Efw1EWr21ZAhWOjKitp6mkBgOb-OLOlg92uVN5VDBp9nQ?e=Tpdw85
6. Amira Sofea Binti Mahamad Husin Science & Engineering Research Center (SERC) amirasofea@usm.my	- Adsorption - Microplastic - Heavy metal analysis - Mechanical testing - ISO 17025 accreditation	- Adsorption - Wastewater treatment - Membrane technology - Microplastic	https://staffusm-my.sharepoint.com/:f:/g/personal/amirasofea_usm_my/EnFwEe8cuURDoGtDBIBZX1UBXGDgXSOPB8m0V2ggxt918A?e=vFpviL
7. Azrina Bt Aziz School of Chemical Engineering azrinaaziz@usm.my	- Adsorption, activated carbon, waste/biomass utilization, Analytical chemistry, plant extraction	- adsorption, activated carbon, biochar, plant extraction	https://drive.google.com/drive/folders/14KG4boBmBSZ8gmygMyY28LEuOep6PePJ?usp=sharing

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8. Che Ku Abdullah Bin Che Ku Alam School of Industrial Technology ck_abdullah@usm.my	- My research interests include the transformation of agro-waste and biomass into value-added products, the modification and treatment of natural fibers, nanocomposites and aerogels. I have 10 years of research experience and consultation in the field of biocomposites and biopolymers. I have a deep understanding of the physical, mechanical, thermal, and morphological characterizations of these materials	- Biocomposites, Biopolymers, Nanoparticles, Aerogel and Natural Fibre Science	https://www.scopus.com/authid/detail.uri?authorId=36477042900#
9. Elis Rosliza @ Zeti Atikah Bt Mohd Adzmi Institute for Research in Molecular Medicine (INFORMM) elis@usm.my	- Breast Cancer Studies (Pd-L1), Cell Culture (Breast Cancer), Cell Line Protein Work, Bacterial Culture, Pcr, Immunohistochemistry (Ihc), Iso 13485(Medical Devices)	- Study Of Pd-L1 In Breast Cancer Tissues Using Ihc Technique. - Antibody Study In Breast Cancer Tissues - Antibody Study In Breast Cancer Cell Lines - Breast Cancer Study For Diagnostic Purposes	https://experts.usm.my/cvitaee/elis
10. Hafiz Gadafi Abdul Aziz School of Chemical Engineering chafiz@usm.my	- Reaction kinetics, polymer architecture	- Reaction kinetics, polymer architecture	https://staffusm-my.sharepoint.com/:w/g/personal/chafiz_usm_my/EeYlpWtf8JpLnIT2KAyzaiYBd4QV1y3SqS9L2Xy4jh9NXA?e=txCAqU

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11. Junaidah Binti Abdullah
River Engineering and
Urban Drainage Research
Centre (REDAC)

junaidahabdullah@usm.my

Expertise

- Urban Drainage Management, River Management, and Hydro informatics. Actively involved in Computational Fluid Dynamics (CFD), Geographic Information Systems (GIS) in Hydrology, Water Quality Modelling and and Hydrological and Hydraulic Modelling for Urban Drainage.

Research Interest

- Urban Drainage Management, River Management, and Hydro informatics. Actively involved in Computational Fluid Dynamics (CFD), Geographic Information Systems (GIS) in Hydrology, Water Quality Modelling and and Hydrological and Hydraulic Modelling for Urban Drainage.

CV Link

https://docs.google.com/document/d/1oqJvtfMGlat1vy_qV0ClxVytUyt-lkg/edit?usp=sharing&oid=114274015985663483116&rtpof=true&sd=true

12. Khairu Anuar Bin Mohamed Zain
Collaborative
Microelectronic Design
Excellence Center (CEDEC)

anuar@usm.my

- Digital IC design
- ASIC design
- Embedded systems design

- Artificial intelligence
Sensors

<https://cedec.usm.my/index.php/staff-directory/rese-staff>

13. Khalid Bin Ahmad
School of Housing,
Building and Planning

khalid_ahmad@usm.my

- Fresh Concrete Test
- Hardened Concrete Test
- Concrete Raw Material Test
- Construction Material Test
- Metallurgical

- Polyurethane For Road Flood Damage Control
Contribution of Pofa-Foamed Concrete Blocks To
The Reduction of Energy Consumption In Buildings

https://drive.google.com/file/d/18lv9FNXut6EeM0i92DMxR44TmJcFjXle/view?usp=drive_link

14. Lau Nyok Sean
Centre for Chemical
Biology (CCB)

nyoksean@usm.my

- Omics,
- Genomics,
- Metagenomics,
- Transcriptomics

- Genomic and comparative genomics analyses of fish and crustacean
- Metagenomic analyses of environmental DNA from mangrove and lake.

https://staffusm-my.sharepoint.com/:w/g/personal/nyoksean_usm_my/EWa1VYJ6Jh9FtPpiPy1wsSoB1jP7938-l0RYuKYlqf3LpA?e=ydjrl1

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15. Manorenjitha Malar A/P Sivanathan School of Biological Sciences manorenjitha@usm.my	- Medical Entomology, - Vector Control, - Botany, - Zoology	- Mosquito control using natural products. - Plant extraction and phytochemicals analysis.	https://www.linkedin.com/in/manorenjitha-sivanathan-81300132?trk=contact-info
16. Mohamad Ezany Bin Yusoff School Of Dental Sciences ezany@usm.my	- Oral Microbiology	- Antibacterial Sentitivity Testing - Natural Products - Antibacterial Activities of Natural Products - Cell cytotoxicity analysis - Cell development	https://docs.google.com/document/d/1TyuTBV5FkklD_Ug4DqNGh79jIBQToLJDnDA5-86d_Q/edit?usp=sharing
17. Mohamad Faiz Bin Mohamed Omar Collaborative Microelectronic Design Excellence Center (CEDEC) faiz_omar@usm.my	- simulation and design of high RF - high-power devices, - microwave tomography, - digital image processing.	- RF ANTENNA - 5G Wireless Communication - 6G Wireless Communication - Flexible Technology System - Image Processing	https://scholar.google.com/citations?user=8fK02-QAAAAJ&hl=en&oi=ao
18. Mohamad Nazir Abdullah School of Electrical and Electronic Engineering eemnazir@usm.my	- Electronic Power - Energy Conversion - Arduino Controller	- Elektronik Kuasa, Penukaran Tenaga	-

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19. Mohd Anas Bin Ahmad
Institute of Nano
Optoelectronics Research
and Technology (INOR)

anasahmad@usm.my

Expertise

- Material growth using Metal Organics Chemical Vapour Deposition (MOCVD) system, characterization, and fabrication of optoelectronic and electronic devices based on III-nitrides and other semiconductor materials.

Research Interest

- MOCVD Growth of III-Nitride for Optoelectronics Application
- MOCVD Growth of III-Nitride for Power Devices Application
- Semiconductor Chip Fabrication

CV Link

https://staffusm-my.sharepoint.com/:w:/g/personal/anasahmad_usm_my/EWvCUAE11jxFkBgFnk8C6s8B71xPRGh1XQg4FsxMGOFCXA?e=k3pgGA

20. Mohd Khairul Nizam Bin Mazlan
School of Pharmaceutical
Sciences

khairulnizamkmk@usm.my

- Analytical Chemistry by using HPLC & HPTLC
- Herbal Standardization

- Analytical Chemistry
- Herbal Standardization

https://1drv.ms/w/s!ApxVPC479qeJ3k_9Ip7KIYERZri7

21. Mohd Mustaqim Bin Rosli
School of Physics

mustaqim@usm.my

- X-ray Crystallography

- X-ray Structure Determination
- Organic Electronics

<https://www.scopus.com/authid/detail.uri?authorId=57216561044>

22. Mohd Nadzri Mamat
School of Electrical and
Electronic Engineering

eenadzri@usm.my

- Electrical Power
- Renewable energy
- Power system

- DC/DC Energy Conversion
- Power Quality in Electrical System
- Control Strategy in Energy Conversion
- Solar Photovoltaic Applied Technology

<https://experts.usm.my/cvitaeeenadzri>

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23. Mohd Zharif Bin Ahmad Thirmizir Science & Engineering Research Center (SERC) zharif@usm.my	- Polymer blends - Biodegradable polymers - Biocomposites - Lignocellulosic based fibre composites - Nanocomposites - Electron microscopy analysis - Transmission electron microscopy analysis - Scanning electron microscopy analysis	- Polymer blends and alloys - Lignocellulosic fiber - polymer composites - Nanocomposites - Biodegradable polymers - Composites for structural application	-
24. Muhamad Nurfasya Alias River Engineering and Urban Drainage Research Centre (REDAC) redacfasya@usm.my	- Hydrological and hydraulic computer modeller for urban drainage.	- Urban Drainage Management - Sustainable Urban Drainage Management - River Management - Green Infrastructure - Bio-engineering Techniques	https://drive.google.com/file/d/197HihlmO7aMnWrgbkZAh4yLzqplqkULY/view?usp=sharing
25. Muhammad Azwan Nasirudin School of Aerospace Engineering m.azwan@usm.my	- Integrated System in Aerospace Technology	- Wireless Sensor Network (WSN) - IoT solution in Environmental and Smart-farming. - Mobile robotics for aerial surveillance & inspection (manned and autonomous-AI) - Acoustic signal processing & reproduction for public address & broadcasting system. - SCADA satellite link system for unmanned monitoring and automation.	-

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26. Muhammad Fazli Bin Khalid Institute for Research in Molecular Medicine (INFORMM) fazlikhalid@usm.my	- Molecular biology - Diagnostic	- Loop-mediated isothermal amplification of infectious diseases - Development of lateral flow assay for the detection of infectious diseases - Gene expression of resistance gene - Molecular diagnostics detection of infectious diseases	https://experts.usm.my/cvitaefazlikhalid
27. Muhammad Hafiznur Bin Yunus Institute for Research in Molecular Medicine (INFORMM) hafiznur@usm.my	- Rapid diagnosis: electrochemical biosensor/lateral flow immunoassay	- Electrochemical biosensor - Lateral flow rapid assay	https://shorturl.at/dkDJL
28. Muhammad Zaki Bin Mohd Kasim River Engineering and Urban Drainage Research Centre (REDAC) redaczaki@usm.my	- Urban Drainage Management using InfoWorks CS.	- Urban Drainage Management - River Management - Hydroinformatics - Environmental Hydraulic Management	https://drive.google.com/file/d/1quMMPI9cv4weuccXfLgBTXDxWsUPLFrA/view?usp=sharing
29. Nik Akmar Bin Rejab School of Materials & Mineral Resources Engineering akmarnik@usm.my	- Materials science and engineering	- Ceramic & Polymer Composites	https://www.scopus.com/authid/detail.uri?authorId=35759164100

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30. Nizuwan Bin Azman

Advanced Medical and
Dental Institute (AMDI)

nizuwan@usm.my

Expertise

- Applied Statistics
- Biostatistics
- Experimental Design and Analysis
- Survival and Reliability Analysis
- Epidemiology

Research Interest

- Research on unmet supportive care needs
- Research on social surveys

CV Link

[https://experts.usm.my/cv_pat
h/NDc1Y2MxMDFhZjVhODU0
NzVIYWwMTBINmY2YzFmZ
WExOWMwMGQ2MmViMjA2
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/1](https://experts.usm.my/cv_pat
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MmEyNDMxYWYyZGEzMGQ4
NmMwMTJIODc2NmMzZDRh
ZGYxMGYwOWQ4OTZhY2Vk
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mYzk3NGY1MmNmMzJmOGVi
YTQyMTlTMm94MFIjUUJJVkl
NdVFJZ3BmbDNyUGpEZ3NC
QmlyclpQYjlxZ3BpN29zPQ==
/1)

31. Noor Afiza Binti Abdul Rani

National Poison Centre

noor_afiza@usm.my

- Public health

- Public health

-

32. Noor Hamizah Binti Abu Hassan

Centre for Global
Archaeological Research

hamizahassan@usm.my

- Archeology, Elemental Analysis

- Archaeology, Elemental Analysis, Geophysical Study,
Phylogenetics Study

<https://rb.gy/tpoei>

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33. Noorizan Binti Miswan Centre for Chemical Biology (CCB) noorizan_miswan@usm.my	- Molecular Diagnostics - Cell Culture, Parasitology Clinical - Nanomaterials	- Detection of Infection Diseases - Environment sensing - Fish disease detection	https://staffusm-my.sharepoint.com/:b:/g/personal/noorizan_miswan_usm_my/ETnEKS0YKERAppwvAaLvHkQB5y_mQvjpKlth0UTh5Rcg?e=Y6NzCt
34. Noorul Hamizah Binti Mat Centre for Drug Research hamizah.mat@usm.my	- Neurobehaviour - Behavioural Neuroscience - Physiology - Biological Science - Pain behaviour	- Pain study, Pain behaviour, Neurobehaviour, Neurophysiology, TRPV1 receptor	https://experts.usm.my/cvitae/hamizah.mat
35. Nor Ariza Azizan River Engineering and Urban Drainage Research Centre (REDAC) ariza_azizan@usm.my	- Environmental Sciences (Water Pollution), Wastewater Treatment, Nature- based Solution	- Constructed Wetland, Bioretention, Phytoremediation, Water Quality, Stormwater and Wastewater Treatment	https://staffusm-my.sharepoint.com/:w:/g/personal/ariza_azizan_usm_my/EelNV6arbQhKm2-8SZ0Zz-cBi9HG9dQnrKuMraxno7R_Q?e=o6kckg
36. Nor Azura Binti Azami Centre for Chemical Biology (CCB) norazuraazami@usm.my	- Microbiology - Molecular biology	- Microbiology, Molecular Biology, Structural Biology, Biotechnology, Bioinformatics	https://www.canva.com/design/DAFpDbRJbw0/Xydg1G0bC5u9mXwwwZfOGg/view?utm_content=DAFpDbRJbw0&utm_campaign=designshare&utm_medium=link&utm_source=publishsharelink

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37. Nor Dyana Zakaria Institute for Research in Molecular Medicine (INFORMM) nordyana@usm.my	- Chemistry and Nanotechnology	- Synthesis of nanoparticles for biomedical applications including drug delivery systems and diagnostic applications. - Development of gold nanoparticles and its conjugation for labeling on lateral flow immunoassay - Electrochemistry for biosensors application and surface modification	https://staffusm-my.sharepoint.com/:b/g/personal/nordyana_usm_my/EYBa-yK848JLirJzkWSYsHEBvS1rDgcqO0G7GvzmVRzMYQ?e=rPW_Ciw
38. Nor Habsah Binti Md Sabiani School of Civil Engineering cenoor@usm.my	- Environmental Engineering: Solid Waste Management - Treatment & Waste To Wealth Wastewater Treatment Water Treatment	- Anaerobic Digestion Of Solid Waste Composting - Processing Waste To Beneficial Product	-
39. Nor Irwin Bin Basir School of Chemical Engineering chirwin@usm.my	- Developing and optimizing catalytic processes, studying materials for energy storage in particular lithium ion batteries and exploring sustainable energy solutions and engineering education within the domain of chemical engineering.	- Chemical Engineering, Electrochemical Storage, Energy, Catalysis, Engineering Education	scholar.google.com/citations?user=9JnEQUAAAAJ&hl=en
40. Nor Shazleen Ab Shukor School of Health Sciences shazleen@usm.my	- Brachytherapy, Radiation Dosimetry, Radiotherapy	- Dosimetry in intracavitary cancer Brachytherapy treatment - Development of phantom material study for radiation therapy treatment - Radiobiology - Biomaterial	https://staffusm-my.sharepoint.com/:b/g/personal/shazleen_usm_my/ERT-ORzGT5mRIInxTfk-ZDTXwBitcXTiUGOxGlPUInZA4vcw?e=i7iRxF

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41. Nor Suhada Anuar Institute for Research in Molecular Medicine (INFORMM) norsuhada@usm.my	- Rapid Diagnostics, Medical Microbiology, Molecular Biology	- Lateral Flow Immunoassay Development, Molecular Biology of Infectious Disease, Diagnostics	https://drive.google.com/file/d/1gRyJDQ6dlxUSTT0nmjxwcR-6iWKeUC_6/view?usp=drive_link
42. Norliana Ghazali School Of Dental Sciences noorliana@usm.my	- Developmental genetics, Molecular genetics, Human Genetics,	- Genetics of craniofacial development and dental malformation, pharmaceutical science research	https://staffusm-my.sharepoint.com/:b/g/personal/noorliana_usm_my/Ea2HboaX7ThGktH3RjJAOhkBmIsh5wiR6vAlQAaq_QFOJw?e=O5Oego
43. Nur Atiqah Binti Hamzah Institute of Nano Optoelectronics Research and Technology (INOR) atiqahhamzah@usm.my	- Epitaxy growth of III-V semiconductor material using Metal Organic Chemical Vapor Deposition (MOCVD) system. - Fabrication and Characterization of Light Emitting Diode (LED) using E-Beam Metal and E-Beam Metal oxide, Inductive Couple Plasma Reactive Ion Etching (ICP-RIE), Rapid Thermal Annealing (RTP), UV Ozone Cleaner and lithography process. - Materials Characterization using Electroluminescence, High Resolution X-Ray Diffraction (HR-XRD), Atomic Force Microscopy (AFM), Hall Effect Measurement and Ultraviolet-visible spectrophotometry (UV-Vis).	- Epitaxy growth of III-V Semiconductor Material, Fabrication and Material - Characterization, Thin Films	https://staffusm-my.sharepoint.com/:f/g/personal/atiqahhamzah_usm_my/Es3SptegX-hMi68lVOsplsoBVpKEYyBO-SlgR0PZeFBDkw?e=aRiTsw

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44. Nur Azeelah Binti Abdullah School of Health Sciences azeelah@usm.my	- DNA Profiling - Forensic Science	- Application Of Forensic Science In DNA Profiling - DNA Population Database	https://drive.google.com/file/d/1zvPtTDhGx7BdCFKxrihRlyc1U2vcBZJj/view?usp=sharing
45. Nur Aziah Binti Hanapi Centre for Drug Research aziah.hanapi@usm.my	- Blood-brain barrier	- Blood-brain barrier	https://experts.usm.my/cvitaee/aziah.hanapi
46. Nur Ezzah Abdul Kahar Science & Engineering Research Center (SERC) ezzahkahar@usm.my	- Amine functionalization for immobilization enzyme support with multiwalled carbon nanotubes	- Enzyme immobilization - Adsorption - Nanotechnology/Nanomaterials	https://experts.usm.my/cvitaee/ezzahkahar
47. Nurdianah Harif Fadzilah Advanced Medical and Dental Institute (AMDI) nurdianaharif@usm.my	- Biological sciences	- Epigenetics, Molecular Genetics, Natural Product	https://www.scopus.com/authid/detail.uri?authorId=57120109900
48. Nurfaten Hamzah School of Medical Sciences nurfaten@usm.my	- Statistic	- Stroke care - Statistical modelling	https://www.researchgate.net/profile/Nurfaten-Hamzah

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49. Nurul Jannah Binti Ambak School of Medical Sciences nurjanna@usm.my	- Medical Statistics - Applied Statistics-Multivariate Analysis	- Medical Statistics - Quantitative Study - Currently Doing Research On Topic: - Kap Breastfeeding Of Orang Asli - Nutrition Lifestyle Transition On Human Milk Composition Of The Orang Asli - Focal Segmental Glomerulosclerosis Among Paediatrics Patients - Diabetic Ketoacidosis Among Paediatrics	https://experts.usm.my/cv_pat_h/OTAxMTRiMDQxZjUyNzE0NDgxYzYxYTM1MzJkMTY1OTQyMjY5YTdlNjlxMjk0ZTM3Mzc1MTlhMzlhZTYyMzExNzJmZTA1OTVmYzkyNTdhZDcxMTY0ZjZkZnZjMmU4YTEyYzgxNzExMDYyNTZkYjYzZWY4YjUwZDEyZjdjNmMwNmlyMGxsYWpzemJlUWdtQ1FEVnRueEE1UjRTNGJET0JlM0ZQbnNjBkowMjFZPQ==/1
50. Rafidah Binti Ahmad Collaborative Microelectronic Design Excellence Center (CEDEC) rafidah.ahmad@usm.my	- Electrical & Electronic Engineering - Wireless & Mobile System; FPGA & ASIC design	- Digital integrated circuit design - Hardware description language coding - Wireless and mobile system	https://www.researchgate.net/profile/Rafidah-Ahmad-3
51. Rahil Izzati Mohd Asri Institute of Nano Optoelectronics Research and Technology (INOR) rahilizzati@usm.my	- Epitaxy Growth, Fabrication and Characterization of III-IV Semiconductor Materials, Thin Films	- Epitaxy Growth of GaN based LED - Fabrication and characterization of GaN based LED	https://staffusm-my.sharepoint.com/:b:/g/personal/rahilizzati_usm_my/ET2FyIPi6gRKnfMWfvrgSdMBVTJrPooS4W9Qts7cZteC2w?e=64Dful

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52. Roslan Bin Kamarudin School of Mechanical Engineering roslan_k@usm.my	- Electronic packaging, - thermodynamic, - heat transfer, - energy, - simulation	- Light Emitting Diodes, Electronics Packaging, Energy, Thermal Interface Material.	-
53. Rosliza Binti Ahmad School of Pharmaceutical Sciences rosliza_ahmad@usm.my	- Herbal Chemical Fingerprinting via chromatography and spectroscopy technique. Herbal standardization and quality control. Development of Monograf Herba Malaysia & Herbal Pharmacopeia. Extraction, fractionation, and compound isolation for herbal plants.	- Alpha-amylase assay and chemical fingerprinting of herbal plants. - Real-time stability study of herbal products. - Bio-guided assay for herbal plants using anti-cholinesterase study. - Accelerated solvent extraction and phytochemical analysis based on response surface methodology. - Development of herbal pharmacopeia and herbal standardization	https://staffusm-my.sharepoint.com/:b:/g/personal/rosliza_ahmad_usm_my/Ec7ISnSAPvBMiYNY107AYFsB7S9uAiKSJb6KByc5nGnmA?e=65CQaU
54. Shafida Azwina Mohd Shafie School of Civil Engineering shafidaazwina@usm.my	- Transportation And Traffic Engineering	- Trip Generation, Traffic Impact Assessment, Vehicle Occupancy, Motorcyclists Behavior, Transportation And Traffic Engineering	https://experts.usm.my/cvitaee/shafidaazwina

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55. Sharifah Nurlaili Farhana Syed Azhar Centre For Global Sustainability Studies (CGSS) sh.nurlaili@usm.my	- Sustainable Development, Environmental Engineering, Environmental Technology	- Sustainable Development, Education for Sustainable Development	https://experts.usm.my/cv_pat_h/YTU3YmZhOTY4MGNkODk5YjhiZTY1YmNjNjFmNDFiOGQyMGRIZjBIZGMzMjhIYzI4ZDY0MjJhODRIYmQ0YTNmMzMxNWNkNzhjMDlkMTNhZjQyZjlkYWQwZGVmOWIwN2QyZjMyNDYzM2I2YmNmOTA4YmZmYmJhZWYwYTE4YjBkZDVUK3NIQTdIMIFhRWQvcmxMY0tZWEhHR1dldWFla3NMT0VOdWg3aGpnTEZ3PQ==/1
56. Shukri Bin Korakkottil Kunhi Mohd Collaborative Microelectronic Design Excellence Center (CEDEC) shukri.mohd@usm.my	- Analogue integrated circuit (IC)	- His research interests are CMOS image sensor, switched-capacitor, analogue, and mixed-signal design.	https://staffusm-my.sharepoint.com/:b/g/personal/shukri_mohd_usm_my/EQDQE9zFDE1Fr3l0qgTPytoBivuyBAxjYz9wF5T5VPzCA?e=JcIx91
57. Siti Aminah Ahmed Advanced Medical and Dental Institute (AMDl) asiti2000@usm.my	- Molecular biology and medical biotechnology	- Infectious diseases, halal research	https://experts.usm.my/cvita/asiti2000

RESEARCH OFFICER (SCHEME Q)

Research Officer (Q)	Expertise	Research Interest	CV Link
58. Siti Fairuz Binti Juani River Engineering and Urban Drainage Research Centre (REDAC) sitifairuz@usm.my	- Water Resource Study, Water Quality, Water Pollution, Stormwater Management, River Engineering, Sustainable Urban Drainage Systems	- Rainwater Harvesting System - Wetland - Bioretention - SUDs	https://staffusm-my.sharepoint.com/:w/g/personal/sitifairuz_usm_my/EW3GmJc40qRDqaAIDBZZ0FMB4NcJccErHQnnpGYTbdWT4Q?e=QY9yPx
59. Siti Fatimah Samsurrijal Advanced Medical and Dental Institute (AMDI) fatimahsamsurrijal@usm.my	- Synthesis of Biocomposite films, - Bioactive Glass, - Biomaterials, - Cell Culture, Biocompatibility	- Cytotoxicity study and Biocompatibility Biomaterials	https://www.scopus.com/authid/detail.uri?authorId=57203393615
60. Siti Khadijah Mohd Bakhori School of Physics skmb@usm.my	- Material sciences: nanoparticles characterization - Toxicology on bacteria, cell lines, insects - Physics medical radiation	- Semiconductor nanomaterials fabrication and characterization for electronics, optoelectronics and biomedicine applications - Biosafe and efficacy of modified nanostructures for antibacterial, anticancer and insecticides activity	https://staffusm-my.sharepoint.com/:b/g/personal/skmb_usm_my/EV_S9vJMHjRlimm5asQS7RQBFhwI0u97mL6Cv1Cmu9ld6A?e=MpP7C2
61. Sofiyah Sal Hamid Collaborative Microelectronic Design Excellence Center (CEDEC) sofiyah@usm.my	- Analog IC Design and RF Analog IC design in PA and LNA. Also in chip level of test and measurement.	- Analog - Radio Frequency - Microelectronic - Wireless and Mobile Application - IC Design	https://staffusm-my.sharepoint.com/:b/g/personal/sofiyah_usm_my/EdYwnQ40RwZMqnxVTcpa6T8Bdx2xuzQkoHIJPfytA1mwCg?e=X5RJIF

RESEARCH OFFICER (SCHEME Q)

Research Officer (Q)

62. Sofiyatul Akmal Binti Salim

Analytical Biochemistry
Research Centre (ABrC)

sofiyatul@usm.my

Expertise

- Mass spectrometry,
- Liquid chromatography, dispersive liquid-liquid microextraction (DLLME), mycotoxins, aflatoxins, food analysis, food safety.

Research Interest

- Determination of aflatoxins in animal feed by dispersive liquid-liquid microextraction (DLLME) and LC-MS/MS.

CV Link

https://staffusm-my.sharepoint.com/:b/g/personal/sofiyatul_usm_my/Efli2lqnhc9IsYfHHbgH7H8BCsT9fhQixqM7v_sQbTBgDQ

63. Suardi Bin Kaharuddin

School of Electrical and
Electronic Engineering

suardi@usm.my

- (Electronics) Microcontroller,
- Embedded System

- Embedded System, power electronics, renewable energy

<https://tinyurl.com/5cc9vwvj>

64. Zaleha Binti Md Toha

Advanced Medical and
Dental Institute (AMDl)

zaleha.mdtoha@usm.my

- Botanical identification (Herbarium),
- Plant extraction,
- Phytochemistry,
- Cell lines culture,
- In vitro and in vivo toxicity,
- Bioinformatic (transcriptomic)
- Cell molecular biology

- herbal medicine
- cell biology and molecular
- bioinformatic (transcriptomic)
- in vitro cytotoxicity research
- in vivo toxicology research

<https://experts.usm.my/cvitae/zaleha.mdtoha>

65. Zarirah Karrim Wani

School of Mechanical
Engineering

zarirah@usm.my

- Metal forming,
- wire arc additive manufacturing,
- lean manufacturing

- metal forming, wire arc additive manufacturing, lean manufacturing

<https://scholar.google.com/citations?user=GiW65FoAAAAJ&hl=en>

RESEARCH OFFICER (SCHEME Q)

Research Officer (Q)	Expertise	Research Interest	CV Link
66. Zulkefli Bin Sanip School of Medical Sciences zulkefli@usm.my	- Microvascular endothelial function	- Metabolic diseases - Endothelial function	-
67. Muhammad Fadhirul Izwan Bin Abdul Malik Science & Engineering Research Center (SERC) fadhirul@usm.my	- Electron Microscopy and Imaging, Raman Spectroscopy, Glass, Medical Physics, Radiation Shielding, and nanomaterials	- Glass. - Radiation Shielding. - Polymers and Carbon (CNT, Activated Carbon). - Environment. - Semi-conductor.	https://experts.usm.my/cv_pat_h/ZGJmYWYyZTkWYjk0ZmU0MzgwOTk4MjRkMmU1NDk3N2Y1NjVmMGY1MDQ0NGQyNGUwYzU0NzRiMWM4ZGlyYjk5ZTVjMjE3MTU5YmQ3MmY5NTQzMjJiNmMwZWl5ODMzZTQ4YzE1Y2YmZjhmZmZmZjhhNWQ0ZTBmMjA2MjJjMwYwNWRKei9kMUMzcDVySEVUclYxRGpMYUs5a04veDIsMCtTUUtOWXZJQTc0UUhrPQ==/1
68. Zuraihana Binti Bachok School of Mechanical Engineering zuraihana@usm.my	- Electronic manufacturing processes such as laser soldering and reflow soldering - Lead-free solder joint characterization - Silver-based conductive ink for stretchable electronic application	- Laser soldering process optimization - Reflow soldering process optimization - Stretchable electronics manufacturing process - Lead-free solder joint characterization	https://experts.usm.my/cvitaee/zuraihana