



NATIONAL
POISON
CENTRE

Postgraduate Student **Handbook**

FOR ACADEMIC CALENDAR 2026/2027

Table of Content

About the National Poison Centre	3
Mission	4
Vision	4
Values	4
Organization Chart	5
Post Graduate Academic Program	6
Program Overview	6
Program Educational Objective (PEO) & Program Learning Outcome (PLO)	7
Expertise	11
Graduation Requirements	11
Facilities	11
Academic Calendar	12
Staff Directory	13



About the National Poison Centre

Pusat Racun Negara

The National Poison Centre also known as Pusat Racun Negara (PRN), established in 1994 at Universiti Sains Malaysia (USM), is Malaysia's sole national referral centre for poison and toxicology information. Our mission is to reduce the mortality, morbidity, occurrence, and cost of poisoning through excellence, compassion, and innovation.

PRN provides consultation and emergency support for poisoning cases to healthcare professionals and the public nationwide. Our core functions include poison and drug information, toxicology laboratory analysis (ISO/IEC 17025 accredited), research, education and public outreach.

PRN actively promotes safe drug use, poison prevention, and tobacco control through educational programs, policy advocacy and collaborative research. Our efforts have contributed to significant public health achievements, including smoke-free initiatives, tobacco control policies, lead poisoning in children, pesticide ban and environmental conservation.

VISION

Nurturing Health

MISSION

To reduce the mortality, morbidity, occurrence, and cost of poisoning in a manner that strives for excellence, compassion, and innovation.

VALUES

Excellence

To act as a team of professionals in order to deliver efficient and effective services.

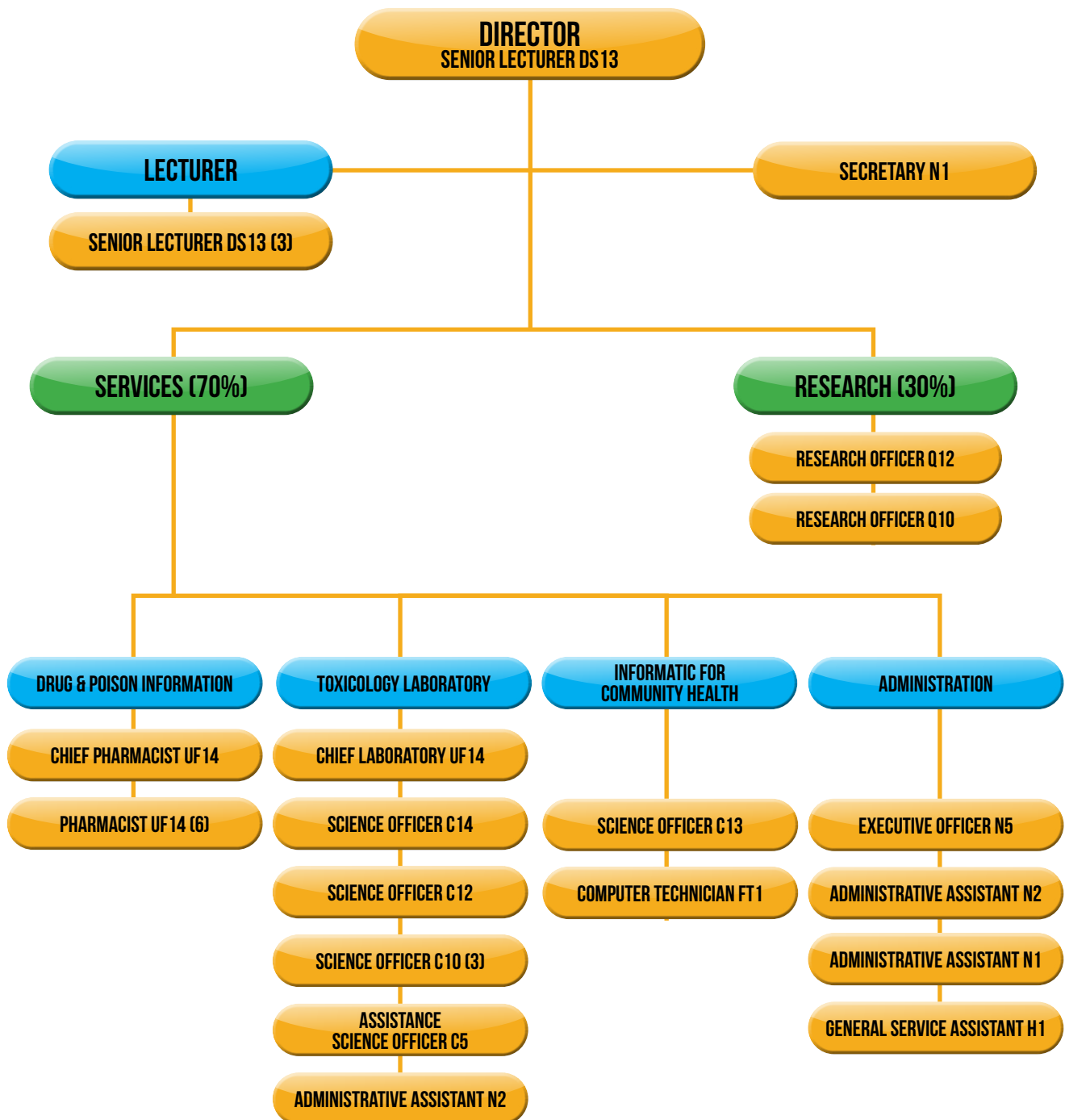
Compassion

To uphold the well-being of our customers, especially the victims of poisoning, by offering assistance in a compassionate and sincere manner.

Innovation

To be proactive and creative in pioneering programmes towards sustainable development of a healthy individual and nation.

Organizational Chart



- | | | | |
|---------------|-------------------------|-----------------------------|-----------------------|
| 4 LECTURERS | 6 SCIENCE OFFICERS | 2 RESEARCH OFFICERS | 1 COMPUTER TECHNICIAN |
| 8 PHARMACISTS | 6 ADMINISTRATIVE STAFFS | 1 ASSISTANT SCIENCE OFFICER | |

Post Graduate Academic Program



Program Overview

PRN offers postgraduate research programs through the Doctor of Philosophy (PhD) and Master of Science (MSc) (Pharmacy) programs under the research mode only. These programs are tailored for graduates seeking to advance their expertise in toxicological sciences and public health through in-depth research in specialized areas aligned with national and global health priorities. Table 1 shows the programs, fields, and specializations that are offered.

These programs provide candidates with access to NPC's extensive research facilities and national datasets, enabling high-impact studies that support Malaysia's health sector and contribute to achieving the Sustainable Development Goals (SDGs), particularly in good health and well-being, clean water and sanitation, and sustainable industry and innovation. Students are supervised by experienced researchers and are encouraged to publish, present, and collaborate nationally and internationally. Graduates from these programs can pursue careers in: academia and research, clinical and regulatory toxicology, environmental health and risk assessment, public health policy and drug regulation, and pharmaceutical and chemical industries.

Table 1: List of programs, fields and specializations

Program Code	Program Title	Field Code	Research Field	Specialization (Code)
R074	Doctor of Philosophy (Main Campus)	PRN01	Toxicology	Toxicology Clinical Toxicology
R21Y	Master of Science (Pharmacy)	PRN02	Environmental Health	Environmental Health
		PRN03	Occupational Safety & Health	Occupational Safety & Health
		PRN04	Pharmacoinformatics	Pharmacoinformatics
		PRN05	Drug Policy & Management	Drug Policy & Management

Program Educational Objective (PEO) & Program Learning Outcome (PLO)

PEO of MSc. Program

The Master program is designed to produce graduates who fulfill the following objectives:

Table 2: List of PEO of MSc program

PEO1	Capable of integrating concepts, theories, methods, and current knowledge to conduct quality research that benefits both the local and global community.
PEO2	Graduates who are skilled in analyzing problems critically and accurately and capable of exploring creative and innovative solutions through various modern digital platforms.
PEO3	Practicing professional, sustainable, and ethical values in fulfilling responsibilities to employers, society, and the nation.
PEO4	Possess effective and confident communication skills in conveying knowledge orally and in writing and be able to apply entrepreneurial mindsets and skills in research work.
PEO5	Capable of exploring new knowledge and cross-disciplinary collaboration that impacts the socio-economic development and sustainability of society and the nation.

Table 3: Mapping of PEO and PLO of MSc Program

Program Learning Outcome (PLO)		Program Educational Objective (PEO)				
		PEO1	PEO2	PEO3	PEO4	PEO5
PLO1	Demonstrate in-depth and frontier knowledge in the related field.	√				
PLO2	Apply knowledge critically and integratively to manage and solve complex problems using various techniques, tools or skills for the purpose of producing new ideas or innovative solutions.	√				
PLO3	Demonstrate effective and innovative research skills by utilizing specialized research methods and the latest investigative techniques in the relevant field with minimal supervision.		√			
PLO4	Demonstrate the ability to collaborate with various parties in carrying out the research.					√
PLO5	Present knowledge, skills, ideas, and research findings clearly using appropriate methods to various parties.				√	
PLO6	Utilize appropriate digital technology and software to analyze and enhance research findings.		√			
PLO7	Use appropriate methods to analyze and evaluate data for the purpose of solving problems.		√			
PLO8	Demonstrate leadership qualities and be responsible when collaborating with others in managing research.			√		
PLO9	Demonstrate commitment to lifelong learning and personal development in the relevant field.					√
PLO10	Apply entrepreneurial skills to identify opportunities and implement projects related to the field of research.				√	
PLO11	Comply with safety rules and instructions, and demonstrate principles, professionalism, ethics, and sustainable practices in conducting research.			√		

PEO of PhD. Program

The Doctor of Philosophy program is designed to produce graduates who fulfill the following objectives:

Table 4: List of PEO of PhD program

PEO1	Capable of integrating concepts, theories, methods, and current knowledge to conduct high-quality research that benefits both the local and global community.
PEO2	Field experts who are skilled in critically and accurately analyzing problems and capable of exploring creative and innovative solutions using the latest digital platforms.
PEO3	Field experts who practice professional, sustainable, and ethical values in fulfilling responsibilities to employers, society, and the nation.
PEO4	Possess effective and confident communication skills in conveying knowledge orally and in writing and be able to apply entrepreneurial mindsets and skills in research work.
PEO5	Capable of generating new knowledge through high-performance research and cross-disciplinary collaboration that impacts the socio-economic development and sustainability of society and the nation.

Table 5: Mapping of PEO and PLO of PhD Program

Program Learning Outcome (PLO)		Program Educational Objective (PEO)				
		PEO1	PEO2	PEO3	PEO4	PEO5
PLO1	Integrate significant knowledge by using appropriate approaches to address current critical issues and generate original and impactful contributions to the relevant fields.	√				
PLO2	Critically analyze and synthesize new, complex, and abstract ideas and solve contemporary issues through advanced research methods to produce original contributions that meet international standards.	√				
PLO3	Develop original, complex, and specialized research methods and techniques to address emerging problems and create high-quality solutions in the relevant fields with minimal supervision.		√			
PLO4	Demonstrate the ability to collaborate cogently with various parties in carrying out research.					√
PLO5	Present research findings, ideas, issues, and solutions clearly, confidently, and effectively to the research community, peers, and society.				√	
PLO6	Utilize digital technologies and appropriate software to support, enhance, and justify research findings.		√			
PLO7	Validate findings by using analysis that is appropriate to the research methods to ensure that conclusions are accurate and impactful.		√			
PLO8	Exhibit intellectual leadership qualities and skills in managing research and related resources.			√		
PLO9	Demonstrate commitment to lifelong learning and personal development in shaping future directions within the related field.					√
PLO10	Apply entrepreneurial skills to identify opportunities and implement innovative projects in related research.				√	
PLO11	Comply with safety rules and instructions, ethics and professionalism, and sustainable practices as well as identify the related issues for research advancement in the field and their impact to society.			√		

Expertise

Ts. Dr. Nur Azzalia Kamaruzaman: <https://experts.usm.my/cvitaе/azzalia>

ChM. Dr. Leong Yin Hui: <https://experts.usm.my/cvitaе/yhleong>

Ts. Dr. Anis Syamimi Binti Mohamed: <https://experts.usm.my/cvitaе/asyamimi>

Ts. Dr. Syazwan Aizat Bin Ismail: <https://experts.usm.my/cvitaе/drsai>

Graduation Requirements

Students must comply with the following graduation requirements:

- a. Fulfil the minimum duration of candidature.
- b. Must obtain a minimum grade C for Malaysian Culture and Malay Language (LKM111). This course is compulsory for all international students.
- c. Pass the Research Methodology course.
- d. Pass the *viva-voce* and submission of the final thesis.
- e. At least one (1) article journal, accepted or published in journals indexed by WoS/SCOPUS for MSc. At least two (2) article journals accepted or published in journals indexed by WoS/SCOPUS for PhD. Publications accepted must be published with the supervisor(s). The candidate must be the first author. Only the first author is allowed to use this article to fulfill his/her graduation requirement. Publications accepted must be related to his/her thesis/dissertation. Publications accepted must carry the USM affiliation.

Facilities

PRN has a Toxicology Laboratory equipped with advanced instruments such as Liquid Chromatography-Tandem Mass Spectrometry, Gas Chromatography-Tandem Mass Spectrometry, Inductively Coupled Plasma Mass Spectrometry, High Performance Liquid Chromatography, Atomic Absorption Spectroscopy etc. These facilities support in-depth investigation of toxicants, environmental contaminants, pharmaceutical residues, heavy metals, and more. In addition, PRN operates a Drug and Poison Information Call Centre, managed by trained pharmacists who provide expert consultation on poisoning management to healthcare professionals and the public. The centre also serves as a rich source of epidemiological data for research on poisoning trends, risk factors and public health interventions.

ACADEMIC CALENDAR - ACADEMIC SESSION 2026/2027

FOR ALL SCHOOLS (EXCEPT FOR SCHOOL OF MEDICAL SCIENCES AND SCHOOL OF DENTAL SCIENCES)

Main Campus : Registration for New Student (18 - 20 September 2026) / **Orientation Week (21 - 26 September 2026)

Engineering Campus : Registration for New Student (20 September 2026) / **Orientation Week (21 - 26 September 2026)

Health Campus : Registration for New Student (19 September 2026) / **Orientation Week (21 - 26 September 2026)

SEM	WEEKS	ACTIVITIES	DATES	REMARKS
ONE	1	Teaching & Learning (T&L 7 Weeks)	Monday, 28.09.2026 - Sunday, 04.10.2026	29 & 30.09.2026, Tuesday & Wednesday - Sultan of Kelantan's Birthday (Health Campus)
	2		Monday, 05.10.2026 - Sunday, 11.10.2026	
	3		Monday, 12.10.2026 - Sunday, 18.10.2026	
	4		Monday, 19.10.2026 - Sunday, 25.10.2026	
	5		Monday, 26.10.2026 - Sunday, 01.11.2026	
	6		Monday, 02.11.2026 - Sunday, 08.11.2026	08.11.2026, Sunday - Deepavali**
	7		Monday, 09.11.2026 - Sunday, 15.11.2026	
	8	Mid-Semester Break (Sem I) (1 Week)	Monday, 16.11.2026 - Sunday, 22.11.2026	
	9	Teaching & Learning (T&L 7 Weeks)	Monday, 23.11.2026 - Sunday, 29.11.2026	
	10		Monday, 30.11.2026 - Sunday, 06.12.2026	
	11		Monday, 07.12.2026 - Sunday, 13.12.2026	
	12		Monday, 14.12.2026 - Sunday, 20.12.2026	
	13		Monday, 21.12.2026 - Sunday, 27.12.2026	25.12.2026, Friday - Christmas Day
	14		Monday, 28.12.2026 - Sunday, 03.01.2027	01.01.2027, Friday - New Year 2027
	15		Monday, 04.01.2027 - Sunday, 10.01.2027	
	16	Revision Week (1 Week)	Monday, 11.01.2027 - Sunday, 17.01.2027	
	17	Examination (3 Weeks)	Monday, 18.01.2027 - Sunday, 24.01.2027	22.01.2027, Friday - Thaipusam
	18		Monday, 25.01.2027 - Sunday, 31.01.2027	
	19		Monday, 01.02.2027 - Sunday, 07.02.2027	06 & 07.02.2027, Saturday & Sunday - Chinese New Year
	20	Mid-Semester Break / Industrial Training (4 Weeks)	Monday, 08.02.2027 - Sunday, 14.02.2027	08.02.2027, Monday - First Day of Ramadan
	21		Monday, 15.02.2027 - Sunday, 21.02.2027	
	22		Monday, 22.02.2027 - Sunday, 28.02.2027	24.02.2027, Wednesday - Nuzul Al-Quran
	23		Monday, 01.03.2027 - Sunday, 07.03.2027	
TWO	24/1	Teaching & Learning (T&L 7 Weeks)	Monday, 08.03.2027 - Sunday, 14.03.2027	10 & 11.03.2027, Wednesday & Thursday - Eid al-Fitr**
	25/2		Monday, 15.03.2027 - Sunday, 21.03.2027	
	26/3		Monday, 22.03.2027 - Sunday, 28.03.2027	
	27/4		Monday, 29.03.2027 - Sunday, 04.04.2027	
	28/5		Monday, 05.04.2027 - Sunday, 11.04.2027	
	29/6		Monday, 12.04.2027 - Sunday, 18.04.2027	
	30/7		Monday, 19.4.2027 - Sunday, 25.04.2027	
	31/8	Mid-Semester Break (Sem II) (1 Week)	Monday, 26.04.2027 - Sunday, 02.05.2027	01.05.2027, Saturday - Labour Day 02.05.2027, Sunday - Substitute Holiday for Labour Day (Health Campus)
	32/9	Teaching & Learning (T&L 7 Weeks)	Monday, 03.05.2027 - Sunday, 09.05.2027	
	33/10		Monday, 10.05.2027 - Sunday, 16.05.2027	
	34/11		Monday, 17.05.2027 - Sunday, 23.05.2027	17.05.2027, Monday - Eid al-Adha** 18.05.2027, Tuesday - Substitute Holiday for Eid al-Adha** (Health Campus) 20.05.2027, Thursday - Wesak Day
	35/12		Monday, 24.05.2027 - Sunday, 30.05.2027	
	36/13		Monday, 31.05.2027 - Sunday, 06.06.2027	06.06.2027, Sunday - Islamic New Year
	37/14		Monday, 07.06.2027 - Sunday, 13.06.2027	07.06.2027, Monday - Substitute Holiday for Islamic New Year (Main Campus & Engineering Campus) 07.06.2027, Monday - Yang di-Pertuan Agong's Birthday
	38/15		Monday, 14.06.2027 - Sunday, 20.06.2027	
	39/16	Revision Week (1 Week)	Monday, 21.06.2027 - Sunday, 27.06.2027	
	40/17	**Examination (2 Week)	Monday, 28.06.2027 - Sunday, 04.07.2027	
	41/18		Monday, 05.07.2027 - Sunday, 11.07.2027	07.07.2027, Wednesday - Georgetown World Heritage City Day 10.07.2027, Saturday - Penang Governor's Birthday
	42/19		Monday, 12.07.2027 - Sunday, 18.07.2027	
COURSES DURING SEMESTER BREAK	43/20	Semester II Break / Industrial Training (10-11 Weeks)	Monday, 19.07.2027 - Sunday, 25.07.2027	
	44/21		Monday, 26.07.2027 - Sunday, 01.08.2027	
	45/22		Monday, 02.08.2027 - Sunday, 08.08.2027	
	46/23		Monday, 09.08.2027 - Sunday, 15.08.2027	15.08.2027, Sunday - Prophet Muhammad's Birthday
	47/24		Monday, 16.08.2027 - Sunday, 22.08.2027	16.08.2027, Monday - Substitute Holiday for Prophet Muhammad's Birthday
	48/25		Monday, 23.08.2027 - Sunday, 29.08.2027	
	49/26		Monday, 30.08.2027 - Sunday, 05.09.2027	31.08.2027, Tuesday - National Day
	50/27		Monday, 06.09.2027 - Sunday, 12.09.2027	
	51/28		Monday, 13.09.2027 - Sunday, 19.09.2027	16.09.2027, Thursday - Malaysia Day
	52/29		Monday, 20.09.2027 - Sunday, 26.09.2027	
		*T&L		
		Examination		

**This Academic Calendar is subject to change

Staff Directory

Director

	Ext.	Email
Ts. Dr. Nur Azzalia Kamaruzaman	2265	azzalia@usm.my

Academic Staff

Ts. Dr. Nur Azzalia Kamaruzaman <i>Cytotoxicology, Pharmaceutical Toxicology, Cancer Cell Biology, Ecotoxicology, Public Health Epidemiology</i>	2265	azzalia@usm.my
ChM. Dr. Leong Yin Hui <i>Food Safety, Security and Risk Assessment, Food Toxicology, Public Health Epidemiology, Food Analysis and Quality Control</i>	2077	yhleong@usm.my
Ts. Dr. Anis Syamimi Binti Mohamed <i>Pharmacology of Natural Products, Cytotoxicology, Molecular Pharmacology, Toxicology in Traditional and Complementary Medicine, Workplace Safety, Hazard Prevention and Control</i>	2083	asyamimi@usm.my
Ts. Dr. Syazwan Aizat Bin Ismail <i>Occupational and Environmental Health and Medicine, Sensor in Environmental Monitoring, Predictive Analytics in Machine Learning, Neural network for Machine Learning, Machine Learning and Intelligent Systems for Bioinformatics</i>	2081	drsai@usm.my

Drug and Poison Information Service Unit

Adilah Binti Mohamed Ariff RPh. Pharmacist (Chief Pharmacist) <i>Toxicoinformatics & Data Management</i>	2089	adilahariff@usm.my
Sulastri Binti Samsudin RPh. Pharmacist <i>Tobacco Control</i>	2090	sulastri@usm.my
Asdariah Binti Misnan RPh. Pharmacist <i>Pesticide Safety</i>	2087	asdariah@usm.my
Nur Afni Binti Amir RPh. Pharmacist <i>Chemical Safety</i>	2092	nur_afni@usm.my
Sazaroni Binti Md Rashid RPh. Pharmacist <i>Natural Toxin Safety</i>	2079	sazaroni@usm.my

Mohd Fadhli Bin Razali RPh.
Pharmacist
Substance Abuse Prevention

2091 fadhli_razali@usm.my

Mahiya Nabilla Rosaria Binti Abdul Hamid RPh.
Pharmacist
Pharmaceutical Safety

2085 mnrosaria@usm.my

Toxicology Laboratory Unit

Azaharudin Bin Awang Ahmad RPh.
Pharmacist (Head of Laboratory)
Document Controller for MS ISO/IEC 17025:2017, Quality Control for Finished Natural Products & Cosmetics/Analytical Toxicology

2191 azaharudin@usm.my

ChM. Dr. Hjh Normaliza Binti Abdul Manaf
Science Officer
Chemist/Technical Manager/Approved Signatory, Analytical Chemistry, Separation Chemistry, Forensic Toxicology, Sustainability dan Green Chemistry, Mass Spectrometry

2075 normaliza@usm.my

ChM. Norjuliana Binti Mohd Noor
Science Officer
Chemist/Approved Signatory, Analytical Chemistry

2172 julianamnoor@usm.my

Mohamed Nazri Bin Mohamed Tahir
Science Officer
Occupational Safety & Health

2096 mnazri@usm.my

Siti Salwa Binti Sabran
Science Officer
Analytical Chemistry

2086 sitisalwa@usm.my

Nur Farah Aida Binti Othman
Science Officer
Analytical Chemistry

2095 farahaida@usm.my

Mazura Binti Md Nayan
Deputy Science Officer
Analytical Chemistry

2084 mazuramn@usm.my

Rosilawaty Binti Ismail
Administrative Assistant (clerical/operations)

2171 rosilawaty@usm.my

ICT & Multimedia Unit

Rosman Bin Ahmad
Science Officer (Head of Unit)
IT & Design

2180 rosman@usm.my

Muhammad Aiman Haziq Bin Zainurin
Computer Technician

2179 aiman.zainurin@usm.my

Research Officer

Ts. Dr. Ahmad Shalihin Bin Mohd Samin
Environmental Protection and Health Impact

2959 asms@usm.my

Noor Afiza Binti Abdul Rani
Epidemiological and Public Health Data Analytics

2082 noor_afiza@usm.my

Administrative Staff

Nurul Shakira Binti Hussain
Assistant Administrative Officer

2888 shakira.hussain@usm.my

Musfirah Binti Tajuddin
Office Secretary

2265 fyra@usm.my

Raffidah Binti Hussain
Administrative Assistant (clerical/operations)

2179 hrffidah@usm.my

Ili Balqis Binti Suandi
Administrative Assistant (clerical/operations)

2078 ilibalqis@usm.my

Mohd Hazlee Bin Abd Halil
General Service Assistant

2078 mohdhazlee@usm.my

