CURRICULUM VITAE

Picture

Melati Khalid
Senior Lecturer
Department of Biomedical Sciences
Faculty of Medicine and Health Sciences
Universiti Putra
Malaysia
43400 UPM
Serdang, Selangor

Email: melati@upm.edu.my
ORCID: 0000-0003-3202-9999

Education

1. Bachelor of Science (Biology), Deakin University Australia – 1999.
2. Master of Science (Molecular Medicine), Universiti Kebangsaan Malaysia – 2008.
3. Doctor of Philosophy (Neuroscience), Universiti Putra Malaysia – 2015.

Areas of Interest

My interests are in the molecular mechanisms and biochemical pathways of neurotransmitter diseases. Previously the focus was on rare paediatric neurotransmitter diseases with a focus on dopamine and serotonin pathways. This has grown to include other conditions where dopamine and serotonin productions are compromised.

Key research interests:

1. Depression
2. The science of exercise
3. Rare neurotransmitter diseases

Professional Qualification/ Membership/ Affiliation

1. Golden Key Honours Society
2. Malaysian Society of Neurosciences
3. International Association for Parents of Children with AADC Deficiency

Appointments (Inside and Outside UPM)

	Date	Designation	Remarks
1.	2021	Head of Biochemistry Unit	
2.	2021	Head of Biochemistry Laboratory	

Publications

Journals (in 5 years)

1. 2021:Metagenomic and phytochemical analyses of kefir water and its subchronic toxicity study in BALB/c mice

Update on……2021

2. 2021:Selected Kefir Water from Malaysia Attenuates Hydrogen Per-oxide-Induced Oxidative Stress by Upregulating Endogenous Antioxidant Levels in SH-SY5Y Neuroblastoma Cells

3. 2021:Kefir and Its Biological Activities

Conference Proceedings (in 5 years)

1.

Research Grants
Received 2020

1. Elucidating the anti-colon cancer and chemopreventive potential of several novel pyrrolidine-type iminosugars and determination of the possible mechanisms of action involved: In vitro and in vivo approaches - FRGS/1/2018/SKK10/UPM/02/4

2. Anticolon cancer potential of the aquaeous extract of the leaves of Melastoma malabathricum and its synergistic combination with Muntingia calabura: The in vitro and in vivo approaches, and metabolomics analysis - UPM/800-3/3/1/GPB/2020/9685000

On-going

Research Grants				
No.	**Project Title**	**Amount (RM)**	**Year**	**Source of Fund**
1.				
2.				

Student Supervision			
PhD (Main Supervisor)			
No.	**Name**	**Title**	**Status**
1.	Shehu Salihu	In Vitro and In Vivo Anti-colon Cancer Activity of Aqueous Leaves Extract of Mixture of Melastoma Malabathricum and Muntingia Calabura (MMMC)	On going
2.	Norashareena Mohd Shakreen	BIOCHEMICAL CHARACTERIZATION OF NEUROTRANSMITTERS METABOLITES (BIOGENIC AMINES) AND THEIR COFACTORS (PTERINS) FOR INHERITED INBORN ERROR OF METABOLISM (IEM) NEUROTRANSMITTER DISORDERS IN MALAYSIAN INFANTS	On going
3.	Muganti Rajah Kumar	NEUROPROTECTIVE EFFECTS AND MECHANISM OF KEFIR WATER IN OXIDATIVE STRESS AND	Graduated 2023

NEUROINFLAMMATION INDUCED
AGEING IN VITRO AND IN VIVO MODELS

Master with Thesis (Main Supervisor)			
No.	**Name**	**Title**	**Status**
1.	Muna Hamoud Alseaghi	CHEMOPREVENTIVE EFFECTS OF MELASTOMA MALABATHRICUM (L.) SMITH AND MUNTINGIA CALABURA L. AQUEOUS EXTRACT MIXTURE IN 1,2-DIMETHYLHYDRAZINE-INDUCED COLON CANCER IN RATS.	Passed viva July 2024

Master without Thesis (Main Supervisor)			
No.	**Name**	**Title**	**Status**
1.			

Attended Seminars/ Workshops/ Forums both National and International			
No.	**Year**	**Title**	**Organizers**
1.			
2.			

Update on……2021