

MOHD TAJUDIN BIN MOHD ALI

NATIONAL LEVEL RESEARCH COMMITTEE

(Only those within last five years)

	Name of Research Committee	Hosting Secretariat	Year Involved
1	Technical Committee, 2 nd National Symposium in organic synthesis	Institut of Science UiTM	2012
2	Vice- Chairman International Conference on Science and Technology (ICOST 2014)	IPSiS UiTM	2014

POSTGRADUATE SUPERVISION

(Only those within last five years, Please indicate if it is at other institutions)

MASTER (RESEARCH) SUPERVISION (Includes Co-supervision)

	Students Name	Institutions	Year Enrolled	Year End
1	Siti Aisyah Bt Aliasak(completed)	UiTM	2012	2014
2	Habsah Bt. Zahari (completed)	UiTM	2012	2014
3	Abdul Hadi Mahmud (completed)	UiTM	2013	2015
4	Sufi An Nur	UiTM	2018	2020

RESEARCH FUNDINGS *(State whether Principal/Co-Researcher)*

NATIONAL LEVEL ACTIVE RESEARCH FUNDING (MOSTI/FRGS & Others) (Last Five Years)

	Research Project	Source	Total Funds	Begin Year	End Year
1	Development of natural dyes from waste plants (researcher)	E-Science (02-010150060)	RM150,000.00	2006	2008
2	Synthesis and cytotoxic effects of 3-alkyl-2-pyrrolidine-3-carboxylic acid methyl ester-betulinic acid derivatives towards anti-leukemia cell lines. (Head)	UiTM/600-IRDC/ST 5/3/1110	RM 14,850.00	2006	2007
3	Synthesis of cis-gamma butyrolactone glycine derivatives (Head)	FRGS-KPT	RM60,500	2013	2016
4	Development of Functionalized nanoporus anodic aluminium oxide for biosensing device application (Co)	Sciencefund	RM106800	2014	2016

INTERNATIONAL RESEARCH FUNDING INCLUDING CONTRACT RESEARCH (Last Five Years)

	Research Project	Source	Total Funds	Begin Year	End Year
1	Self-Assembling Hydrogels Based on Cyclodextrin and Cholesterol Grafted Poly(Ethylene glycol) for Controlled Protein Release (Co-researcher)	DFG Germany	Eur 40,000	2009	2011 Tamat

Dana Kecemerlangan UiTM (Last Five Years)

	Research Project	Total Funds	Begin Year	End Year
1	Enantioselective synthesis of <i>cis</i> - β -proline	RM10,000.00	2011	2012
2	Scaffolds synthesis of <i>cis</i> -gamma butyrolactone amine salt and cyclohexene amine salt (PI)	RM32,000	2012	2014
3	Reproductive toxicity and pharmacodynamic study on acute hypotensive activities of peptides based on betulinic acid scaffold. (Co-researcher)	RM32000	2012	2014
4	Facial synthesis towards Tamiflu (PI-Grant Lestari)	RM20000	2018	2020

PUBLICATIONS (Only those indexed in IEEE/ISI/SCOPUS)

(Please ensure that you indicate whether papers are indexed in IEEE/ISI/Scopus, also indicate the impact factor if available)

PUBLICATIONS

- [1] Mohd Tajudin Mohd Ali and Oliver Reiser, *Syntesis of (-)- Geissman Waiss Lactone, cis- γ -butyrolactone derivatives and γ -peptides. (eBook)*. Worldcat. 2012. OCLC No. 729958731
- [2] Mohd Tajudin Mohd Ali, Faujan Ahmad, Abd. Manaf Ali, Nurhana Faujan, Synthesis of 3-O-succinyl-betulinic acid as anti-cancer agents against leukemia and T-4 lymphoblastoid cell lines. Simposium Kimia Analisis Malaysia (SKAM 18), Johor Bahru, 2005, proceeding, 51-59.
- [3] Shreen Haron, Mohd Tajudin Mohd Ali, S. Salahudin Syurno, Khairil Iskandar Othman, Inisiatif menaiktaraf Jurnal UiTM: Satu kajian kes. Persidangan Kebangsaan Penerbitan Ilmiah 2007, MAPIM, 2007, 31-34

- [4] Mohd Tajudin Mohd Ali, Halila Jasmani, Yamin Yasin, Abd. Manaf Ali, Nurhana Faujan, Glycosylation of betulinic acid and its effects as anti-cancer agents against human myeloid leukemia and human T-4 lymphoblastoid cells line. IRDC UiTM, proceeding, 2005, 1-9
- [5] Mohd Tajudin Mohd Ali and Nesamalar Kantasamy, *Simplified Approach to the Mole Concept (Book)*. UPENA, UiTM Shah Alam, 2007. ISBN 978-967-305-044-4
- [6] Mohd Tajudin Mohd Ali, Norizan Ahmad, S. Dahlia and Dzulsuhaimi Daud, *Evaluation of hypoglycaemic of Pithecellobium jiringa seed powder in alloxan– induced diabetic rats. (Book chapter- Beyond Medicinal Plants: Reality and Challenges in antidiabetic research)*. UPENA, UiTM Shah Alam. 2008. 123-126. ISBN 978-967-305-247-9
- [7] Dzulsuhaimi Daud, Siti Sarah Syed Razali, Norizan Ahmad, Sharipah Ruzina Syed Aris and Mohd Tajudin Mohd Ali. *Hypoglycemic properties of Momordica Charantia methanol extract alloxan– induced diabetic rats. (Book chapter- Beyond Medicinal Plants: Reality and Challenges in antidiabetic research)*. UPENA, UiTM Shah Alam. 2008. 35-39. ISBN 978-967-305-247-9
- [8] Mohd Tajudin Mohd Ali, *Synthesis of Homopeptide and Dipeptide based on cis-oxo-tetrahydrofuran scaffold*. Scientific Research Journal UiTM (Accepted)
- [9] Dzulsuhaimi Daud, Nornafiza Md Sepun, Alene Tawang, Mohd Tajudin Mohd Ali, The effect of Melaleuca cajuput methanol leaves extract on body growth, puberty and sperm quality of juvenile rats, *Biotechnology: An Indian Journal*, 2015,11, 115-119.
- [10] Mohd Tajudin Mohd Ali, *Techniques in organic chemistry and chemical waste management*, Book (UPENA), 2014
- [11] Mohd Tajudin Mohd Ali, *An Asymmetric approach towards a new tripeptide based on cis hydroxy beta proline*, Chapter in Book (IOS-UiTM), 2013
- [12] Zurina Shameeri, Ahmad Sazali Hamzah, Mohd Fazli Mohamad, Norhadiani Ismail, Mohd Tajudin Mohd Ali, *New Frontiers in Organic Synthesis*. Book (IOS-UiTM), 2013
- [13] Mohd Tajudin Mohd Ali, *Perancangan Sintesis Organik*, Book, Dewan Bahasa dan Pustaka, 2016
- [14] Non Diana Masdar, Abdul Hadi Mahmud, Mohd Tajudin Mohd Ali, Sharipah Nursyimi Azlina, Ruziyati Tajuddin, Norashikin Saim, Ab Mutalib Jani, *Synthesis and characterization of modified polydimethylsiloxane nanomembrane for chiral separation*, *Advance Material Research*, 2015, 231
- [15] Shaban Osman, FP Brandl, GM Zayed, JK Tesmar, *Self assembling hydrogels based on cyclodextrine and cholesterol grafted on PEG for controlled drug release*, 2011, *Proceeding paper, Controll Drug Release Society Germany*, 2011.
- [16] Mohamad Faiz Foong Abdullah, Mohd Tajudin Mohd Ali, Farida Zuraina M. Yusof, *Bioresources Technology in Sustainable Agriculture: Biological and Biochemical Research*, Book, Apple Academic Press, USA, 2016.
- [17] Mohd Tajudin Mohd Ali, Habsah Zahari, Siti Aisyah Aliasak, *Synthesis of unnatural amino acids: Betulinic acid peptides as bioactive molecules*, Chapter in a Book, Apple Academic Press, USA, 2016.
- [18] Mohd Tajudin Mohd Ali, Siti Aisyah Aliasak, Habsah Zahari, *Synthesis of enantiopure azido trimethylsiloxy cyclohexene derivatives: A useful intermediates for the synthesis of Tamiflu*, Chapter in a Book, Apple Academic Press, USA, 2016
- [19] Mohd Tajudin Mohd Ali, *Synthesis of beta-proline: Potential for organocatalysis*, *Malaysian Journal of Analytical Sciences*, 2016 (Inpress).

- [20] Mohd Tajudin Mohd Ali, Allan Patrick G Macabeo, Baojie Wan, Scott Franzblau, Oliver Reiser, Enantioselective synthesis of (-)-Geissman Waiss Lactone, antitubercular cis- γ -butyrolactone and tetrapeptide derivatives. 2013, Proceeding paper, 245th ACS National Meeting & Exposition, New Orleans, USA.
- [21] Mohd Tajudin Mohd Ali, Aiti Aisyah Aliasak, Habsah Zahari, Kalawathy Ramasamy, Steven Lim, Synthesis of Leu-cis- γ -butyrolactone and betulinic acid-cis- γ -butyrolactone peptides, 2015, Proceeding paper, GDCH Conference, Dresden, Germany.
- [22] Ahmed A. Abdellatif, Shaaban K. Osman, Mohd Tajudin Mohd Ali, Fouad H. Darras, N-Terminal Mono-PEGylation of Octreotide, Pharmaceutical Journal of Innovative Drug Research and Development (PJIDRD), 2016, 1.
- [23] Mohd Tajudin Mohd Ali, Nurhana Faujan, Synthesis, characterization and cytotoxic activity of betulinic acid glucosides against Human Myeloid Leukemia and Human T-4 Lymphoblastoid cell lines. Science Letters, 2016, 10(1), 14-17.
- [24] Abd Hadi Mahmud, Abd Mutalib Jani, Mohd Tajudin Mohd Ali, Synthesis and characterization of betulinic acid-aminopropyltriethoxysilane compounds and their assembly onto nanoporous alumina surface as potential therapeutic agents. Journal of Nanomaterial & Molecular Nanotechnology, 2017, 6(4), 2-7.
- [25] Mohd Tajudin Mohd Ali, Siti Aisyah Aliasak, Allan Patrick G Macabeo, Short asymmetric synthesis of a model monomeric unit for α/γ peptide foldamers based on β -amino linked D-leucine-cis- γ -butyrolactone γ -acetic acid. Organic Comm. 2017, 10(2), 99-103.
- [26] Mohd Tajudin Mohd Ali, Habsah Zahari, Aisyah Aliasak, Siong Meng Lim, Kalavathy Ramasamy, Allan Patrick G Macabeo, Synthesis, characterization and cytotoxic activity of betulinic acid and sec-betulinic acid derivatives against Human Colorectal Carcinoma. Oriental Journal of Chemistry, 2017, 33, 242-248.
- [27] Dzulsuhaimi Daud, Nurlisma Ruhila Alias, Mohd Tajudin Mohd Ali, Alene Tawang, Physical signs of illness, liver functions and reproductive parameters of female rats supplemented with *Melaleuca cajuputi* methanol extracts. Journal of Applied Pharmaceutical Science, 2018, 8(4), 139-142.
- [28] Fahimah Martak, Wahyu Prasetyo Utomo, Zjandra Vianta Nugraheni, Arynta Dharmayanti, Rose Malina Annuar, Shinta Dwitifani, Risqizia Poetri, Mohd Tajudin Mohd Ali. Synthesis and toxicity of complexes of Cu(II), Co(II) and Mn(II) with a 2(4-nitrophenyl)-4,5-diphenyl-1-H imidazole ligand. International Journal of Drug Development and Research. 2018, 10(1), 14-19.