

Maklumat Penyelidikan Biologi di website Asasi untuk dikemaskini

No	Staff Name	Specialization	Research Project
1.	NOOR HASHIDA BINTI HASHIM	Animal Physiology (Reproduction)	<ul style="list-style-type: none"> ● Aplikasi Bioteknologi Dalam Mengenalpasti Kualiti Semen Pada Ruminan Kecil Untuk Peranian Beradas dan Pemindahan Embrio, Consultant, 2021 - 2022 (<i>National</i>) ● Kajian Terhadap Prestasi Pelajar Lulusan Pusat Asasi Sains Universiti Malaya (pasum) Yang Menuntut Di Institut Pengajian Tinggi (IPT), Consultant, 2020 - 2021 (<i>National</i>) ● Elucidating the useful impacts of Cocos nucifera L water on reproductive performances of buck, Consultant, 2020 - 2022 (<i>National</i>) ● Glycine-L-Proline Augmentation of Vitriified Mitochondrial Oocyte Architecture and IVF Outcomes., Consultant, 2019 - 2022 (<i>National</i>) ● Quantification of fluorochrome protamination intensity in sperm DNA wrapping materials towards male infertility, Consultant, 2014 - 2016 (<i>National</i>) ● Preliminary study on the effect of Malaysian honey on nicotine-treated rat testis , Principal Investigator(PI), 2009 - 2011 (<i>National</i>) ● Oestrus synchronization in sheep , Principal Investigator(PI), 2006 - 2008 (<i>National</i>) ● Preliminary Study On The Effect Of Coconut Water On Reproductive System Of Morphine-induced Infertile Male Rat , , Principal Investigator(PI), 2019 - 2022 (<i>National</i>) ● Study on the Effect of Boesenbergia Rotunda on Reproductive System of Infertility Induced Male Rat , Consultant, 2018 - 2020 (<i>National</i>) ● Expression of histamine receptors on murine spermatozoa, Principal Investigator(PI), 2016 - 2019 (<i>National</i>) ● Date (Phoenix dactylifera) effects on morphine-induced androgen deficiency and the histological features on male rats reproductive system, Principal Investigator(PI), 2016 - 2018 (<i>National</i>) ● The ameliorating effects of thymoquinone on membrane and DNA integrity of nicotine treated sperm, Principal Investigator(PI), 2016 - 2018 (<i>National</i>) ● The effects of date palm fruit (Phoenix dactylifera) on sperm quality and testis of morphine treated male rats, Principal Investigator(PI), 2016 - 2018 (<i>National</i>) ● The Role of Histamine H3 and H4 Receptors in Fertilization , Coordinator, 2015 - 2018 (<i>National</i>) ● Ameliorating effects of Phoenix datylifera on reproductive system of morphine exposure male rats , Principal Investigator(PI), 2015 - 2016 (<i>National</i>)

			<ul style="list-style-type: none"> • The role of histamine H1 and H2 receptors in fertilization, Consultant, 2014 - 2015 (<i>National</i>) • Histological and androgenicity studies of the effects of habbatus sauda on male reproductive organs in nicotine-treated rats. , Consultant, 2012 - 2014 (<i>National</i>) • Preliminary study on the effect of Nigella sativa (black seed) on the reproductive performance of male rats , Principal Investigator(PI), 2012 - 2014 (<i>National</i>) • Penggunaan Bahan-bahan yang Digalakkan dalam Tradisi Islam: Tatacara Penggunaannya dan Kesan Melalui Kajian Saintifik, Consultant, 2011 - 2014 (<i>National</i>) • Effects of goat milk on the nicotine-treated rat testis , Principal Investigator(PI), 2009 - 2010 (<i>National</i>) • The effects of goat milk on the histology of rat testis , Principal Investigator(PI), 2007 - 2008 (<i>National</i>) • Pengajaran dan pembelajaran dalam bahasa inggeris: kesan terhadap pencapaian biologi di pusat asasi sains universiti malaya (pasum) , consultant, 2007 - 2008 (<i>national</i>)
2.	YUSMIN BINTI MOHD YUSUF	Molecular Genetics & Plant Biotechnology	<ul style="list-style-type: none"> • Elucidating The Useful Impacts of Cocos Nucifera L Water on Reproductive Performances of Buck, Co-Researcher, 01/11/2020 to 31/10/2022, Kementerian Pendidikan Tinggi (KPT) (<i>Government</i>) • Secondary metabolites-phytohormones production of Trichoderma asperellum SL2 and its cross-talk interactions with rice roots, Co-Researcher, 01/11/2019 to 31/10/2023, Kementerian Pendidikan Tinggi (KPT) (<i>Government</i>) • Understanding The Role Of Foc-six8 Gene And Other Related Effector Genes That Caused Pathogenic Reaction During Fusarium Infection In Musa Accuminata, Principal Investigator(PI), 01/01/2019 to 30/09/2021, Kementerian Pendidikan Tinggi (KPT) (<i>Government</i>) • The effect of Zinberaceae extract on the expression of Catsper gene in morphine-treated rats., Principal Investigator(PI), 2018 - 2019 (<i>National</i>) • Enhancement of targeted compounds through genetic engineering , Principal Investigator(PI), 2012 - 2013 (<i>National</i>) • Host-pathogen Interaction in Plant-parasitic Pathogen Infestation of Local Banana Varieties. , Consultant, 2011 - 2012 (<i>National</i>)

			<ul style="list-style-type: none"> ● Analysis of Boesenbergia rotunda genome for identification of metabolic engineering targets , Consultant, 2011 - 2013 (<i>National</i>) ● Exploring the Role of Nanocellulose in Banana Defence Mechanism toward Pathogen Fusarium Oxysporum f. sp. Cubense, Principal Investigator(PI), 15/09/2020 to 14/09/2022, Research University (<i>Government</i>) ● Investigating the effect of zingiberaceae extract on the expression of catsper gene in morphine-treated rats, Principal Investigator(PI), 01/09/2018 to 31/08/2020, (e-Finance) Research University (<i>Government</i>) ● Occurance, Distribution And Genetic Diversity Of Irrawady Dolphins (orcaella Brevirostris) And Other Inshore Cetaceans In The Waters Of Matang (kuala Sepetang Kuala Gula), Perak, Co-Researcher, 01/09/2018 to 31/05/2021, Research University (<i>Government</i>) ● Economic Generation Through Commercial Banana Cultivation, Co-Researcher, 01/02/2019 to 31/12/2021, Kementerian Pendidikan Malaysia (KPM) (<i>Government</i>) ● Penjanaan Ekonomi Melalui Penanaman Pisang Secara Komersial, Co-Researcher, 07/05/2018 to 31/05/2020, Research University (<i>Government</i>) ● Characterization Of 4 Coumarate; Coenzyme A Ligase Gene In Boesenbergia Rotunda, Principal Investigator(PI), 29/05/2015 to 28/07/2019, Research University (<i>Government</i>) ● Phylogenetic Assessment And Functional Specificity Studies Of Chalone Synthase Genes In Boesenbergia Rotunda, Co-Researcher, 27/05/2015 to 27/05/2018, Research University (<i>Government</i>) ● Improvement Of Banana For Smallholder Farmers In The Great Lakes Region Of Africa, Co-Researcher, 01/10/2014 to 30/09/2021, International institute of tropical agriculture (Bill & Melinda gates foundation) (<i>International</i>) ● Evaluation And Application Of Transgenic Bananas For Fusarium (foc Race 4) Resistance, Co-Researcher, 27/09/2013 to 27/09/2016, Research University (<i>Government</i>) ● Enhancement Of Targetted Compounds Through Genetic Engineering, Principal Investigator(PI), 01/07/2012 to 30/09/2015, Research University (<i>Government</i>)
3.	MAHANOM BINTI JALIL	Plant Biotechnology	<ul style="list-style-type: none"> ● Economic Generation Through Commercial Banana Cultivation, Principle Investigator, Knowledge Transfer Programme (KTP), 2019-2021 (<i>National</i>).

		<p>& Tissue Culture</p>	<ul style="list-style-type: none"> ● Chemical Constituents Of Elicited Root Cultures Of Zingibar Zurembet Smith And Their Biological Activities, Principle Investigator, RU Geran - Fakulti Program, 2018-2020. ● Penjanaan Ekonomi Melalui Penanaman Pisang Secara Komersial, Principle Investigator, RU Geran – UMCares, 2018-2020 ● Gardening Therapy As An Adjunct To Online Mental Health Counseling For Students Affected By Covid19, Co-Researcher, USIM Geran, 2020. ● Study on Organic Soil Amendments and Fertilizer Usage Among Staffs in University of Malaya, Co-Researcher, RU Grant -Living Lab Grant, 2019. ● PASUM-KTE-Vokasional: Ekspolasi Pendidikan Tinggi Sains & Teknologi Di IPT. Co-Researcher, RU-UMCares grant, 2018. ● PASUM-KTE: Meneroka dunia Sains di IPT, Co-Researcher, RU-UMCares grant. 2017. ● Penjanaan Ekonomi Melalui Pertanian Bandar, Principle Investigator, RU Geran – UMCares, 2017-2018. ● Transforming Marginalized Cooking Banana Into Income Spinner Scalp Induced Technologies, Principle Investigator, Knowledge Transfer Programme (KTP), 2015-2018 (National) ● Income Generation Through Agro Entrepreneur, Principle Investigator, RU Geran-UMCares, 2016-2017. ● Program Kesedaran Sains Melalui Pendekatan Mudah Bioteknologi Bagi Peningkatan Pembangunan Modal Insan, Principle Investigator, RU Grant-UMCares, 2016. ● In Vitro Production Of Targeted Compound And Enhancement Via Elicitation From Selected Gingers, Principle Investigator, UMRG Programme Grant, 2012-2019. ● Pertanian Berdasarkan Pengetahuan (Knowledge- Based) untuk Komuniti Fasa 2, Consultant, 2014 - 2014 (<i>National</i>) ● Pertanian Berdasarkan Pengetahuan (Knowledge Based) untuk Komuniti, Consultant, 2013 - 2014 (<i>National</i>) ● Advance Technology through Bioreactor System for Mass Propagation of Pineapple (Fasa 2), Principal Investigator(PI), 2011 - 2012 (<i>National</i>) ● Advance Technology through Bioreactor System for Mass Propagation of Pineapple (Fasa 1), Principal Investigator(PI), 2010 - 2011 (<i>National</i>)
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4.	NOR AZLINA BINTI ABD AZIZ	Genetics & Animal Reproduction	<ul style="list-style-type: none"> ● Achievement in mathematics and biology: link, language and academic resilience (non-science), Consultant, 2019-2022 (<i>national</i>) ● Aplikasi Bioteknologi Dalam Mengenalpasti Kualiti Semen Pada Ruminan Kecil Untuk Peranian Beradas dan Pemindahan Embrio, Consultant, 2021 - 2022 (<i>National</i>) ● Elucidating the useful impacts of <i>Cocos nucifera</i> L water on reproductive performances of buck, Principal Investigator(PI), 2020 - 2022 (<i>National</i>) ● Study on the Effect of <i>Boesenbergia Rotunda</i> on Reproductive System of Infertility Induced Male Rat , Principal Investigator(PI), 2018 - 2020 (<i>National</i>) ● Technology-enhanced in Teaching & Learning Pre-University Science, Consultant, 2013 - 2015 (<i>National</i>) ● Oocyte activation in the production of bovine embryo through intracytoplasmic sperm injection (icsi) , principal investigator(pi), 2010 - 2011 (<i>national</i>) ● Effects of b-mercaptoethanol on intracellular glutathione (gsh) synthesis in bovine embryo development , principal investigator(pi), 2008 - 2009 (<i>national</i>) ● Modification of micro-environment to improve in vitro maturation of cocytes in the production of embryo from local cattle , principal investigator(pi), 2007 - 2008 (<i>national</i>) ● Pengajaran dan pembelajaran dalam bahasa inggeris: kesan terhadap pencapaian biologi di pusat asasi sains universiti malaya (pasum) , Consultant, 2007 - 2008 (<i>National</i>)
5.	MAHASSAN BIN MAMAT	Neurobiology	<ul style="list-style-type: none"> ● Reproductive Biology and Growth of <i>Pangasius nusutus</i> and <i>Tor sp.</i> as native and new commercial species in Peninsular Malaysia., Consultant, 2018 - 2020 (<i>National</i>)

			<ul style="list-style-type: none"> ● Local Freshwater Fishes as Models to Delineate Diversity of Central Nervous System Motor Control over Different Appendages , Principal Investigator(PI), 2009 - 2011 (<i>National</i>) ● Spinal motor innervation of a few selected local fresh water fishes with differently distributed fins , Consultant, 2008 - 2009 (<i>National</i>) ● Kajian SEM (scanning electron microscope) sistem saraf pusat Ikan ketutu, <i>Oxyleotris marmorata</i>, Principal Investigator(PI), 2007 - 2008 (<i>National</i>) ● Kajian SEM (scanning electron microscope) bagi sistem saraf pusat Ikan Haruan, <i>Channa striata</i>, Principal Investigator(PI), 2004 - 2005 (<i>National</i>) ● Diversity characterisation of the central nervous system of local freshwater fishes (Pencirian diversiti sistem saraf pusat ikan air tawar tempatan) , Consultant, 2007 - 2009 (<i>National</i>) ● Diversity characterisation of the central nervous system of local freshwater fishes (Pencirian diversiti sistem saraf pusat ikan air tawar tempatan) , Consultant, 2007 - 2009 (<i>National</i>)
6.	MOHD FAIZZI BIN MOHD YUSOF	Zoology	<ul style="list-style-type: none"> ● Sustainable Forest Development for Section 16 Greenzone [PT26 HSD 98022] University of Malaya, Principal Investigator(PI), 2021 - 2022 (<i>National</i>) ● Perceptions on Hygiene and Awareness in Public Facilities Usage: A Comparative Study between Malaysia and Japan , Consultant, 2021 - 2023 (<i>National</i>) ● Growth and reproduction of tor sp. And pangasius sp., Principal Investigator(PI), 2018 - 2020 (<i>National</i>) ● Complete replacement of fish meal protein by <i>Pomacea canaliculata</i> with <i>Pleurotus florida</i> in catfish (<i>Clarias gariepinus</i>) diet. Consultant; 2016 - 2018 (<i>National</i>). ● Spawning induction and larval feeding for European Ecofish Northern Periphery Programme of Ireland, Norway and Scotland Fisheries. Consultant; 2010 - 2013 (<i>International</i>). ● Reproduction and growth of <i>Labrus bergylta</i> in Irish waters; 2010 - 2014 (<i>International</i>). ● Effect of Hormonal Stimulation on Egg Production and the Reproductive Performance of <i>Oreochromis sp.</i>; 2007 - 2009 (<i>National</i>).
7.	WAN ADRIYANI BINTI WAN RUZALI	Clinical Neuroscience	<ul style="list-style-type: none"> ● Covid-19, online learning and students' mental health.

			<ul style="list-style-type: none"> ● Exploring the Role of Nanocellulose in Banana Defence Mechanism toward Pathogen Fusarium Oxysporum f. sp. Cubense, Consultant, 2020 - 2022 (<i>National</i>) ● Neurodegenerative related Bioassays of Alseodaphne Pendulifolia and Alseodaphne Peduncularis, Principal Investigator(PI), 2020 - 2022 (<i>National</i>) ● Investigation on Epidemiology of Dengue Virus by using Haar Wavelet Quasilinearization Method, Consultant, 2019 - 2021 (<i>National</i>) ● PASUM-KTE-VOKASIONAL: EKSPOLASI PENDIDIKAN TINGGI SAINS & TEKNOLOGI DI IPT, Coordinator, 2018 - 2019 (<i>National</i>) ● PASUM-KTE: Meneroka dunia Sains di IPT, Consultant, 2017 - 2018 (<i>National</i>) ● Mechanisms of Cerebrovascular Smooth Muscle Cell Death in Cerebral Amyloid Angiopathy, Principal Investigator(PI), 2016 - 2018 (<i>National</i>)
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COMING ACTIVITY:

Malaysia National Banana Congress 2021 (<https://umevent.um.edu.my/MNBC2021>)