

# Mahaneem Binti Mohamed

## List of Publications by Year in descending order

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89  
papers

1,488  
citations

361045

20  
h-index

377514

34  
g-index

92  
all docs

92  
docs citations

92  
times ranked

1684  
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies on the antioxidant properties of Tualang honey of Malaysia. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2010, 7, 59-63.	0.3	92
2	Oxidative Stress, NF- $\kappa$ B-Mediated Inflammation and Apoptosis in the Testes of Streptozotocin-Induced Diabetic Rats: Combined Protective Effects of Malaysian Propolis and Metformin. <i>Antioxidants</i> , 2019, 8, 465.	2.2	91
3	Melatonin in Bacterial and Viral Infections with Focus on Sepsis: A Review. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2012, 6, 30-39.	0.7	88
4	Cadmium chloride-induced testicular toxicity in male wistar rats; prophylactic effect of quercetin, and assessment of testicular recovery following cadmium chloride withdrawal. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 109-123.	2.5	80
5	Antioxidant, anti-inflammatory and synergistic anti-hyperglycemic effects of Malaysian propolis and metformin in streptozotocin-induced diabetic rats. <i>Food and Chemical Toxicology</i> , 2018, 120, 305-320.	1.8	69
6	Antioxidant Protective Effect of Honey in Cigarette Smoke-Induced Testicular Damage in Rats. <i>International Journal of Molecular Sciences</i> , 2011, 12, 5508-5521.	1.8	66
7	Down-regulation of steroidogenesis-related genes and its accompanying fertility decline in streptozotocin-induced diabetic male rats: ameliorative effect of metformin. <i>Andrology</i> , 2019, 7, 110-123.	1.9	59
8	Metabolic Syndrome, its Pathophysiology and the Role of Melatonin. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2013, 7, 11-25.	0.7	54
9	Phenolic Compounds and the Anti-Atherogenic Effect of Bee Bread in High-Fat Diet-Induced Obese Rats. <i>Antioxidants</i> , 2020, 9, 33.	2.2	49
10	Diabetes-induced testicular oxidative stress, inflammation, and caspase-dependent apoptosis: the protective role of metformin. <i>Archives of Physiology and Biochemistry</i> , 2020, 126, 377-388.	1.0	40
11	Obesity-induced testicular oxidative stress, inflammation and apoptosis: Protective and therapeutic effects of orlistat. <i>Reproductive Toxicology</i> , 2020, 95, 113-122.	1.3	39
12	A systematic review on different models of inducing obesity in animals: Advantages and limitations. <i>Journal of Advanced Veterinary and Animal Research</i> , 2020, 7, 103.	0.5	39
13	Malaysian propolis, metformin and their combination, exert hepatoprotective effect in streptozotocin-induced diabetic rats. <i>Life Sciences</i> , 2018, 211, 40-50.	2.0	38
14	Epidemiology of Male Sexual Dysfunction in Asian and European Regions: A Systematic Review. <i>American Journal of Men's Health</i> , 2020, 14, 155798832093720.	0.7	38
15	Effect of different doses of Malaysian honey on reproductive parameters in adult male rats. <i>Andrologia</i> , 2012, 44, 182-186.	1.0	31
16	Tert-butylhydroquinone preserve testicular steroidogenesis and spermatogenesis in cisplatin-intoxicated rats by targeting oxidative stress, inflammation and apoptosis. <i>Toxicology</i> , 2020, 441, 152528.	2.0	25
17	Bee bread attenuates high fat diet induced renal pathology in obese rats via modulation of oxidative stress, downregulation of NF- $\kappa$ B mediated inflammation and Bax signalling. <i>Archives of Physiology and Biochemistry</i> , 2022, 128, 1088-1104.	1.0	24
18	Effects of honey supplementation on inflammatory markers among chronic smokers: a randomized controlled trial. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 175.	3.7	22

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19	Effect of honey on testicular functions in rats exposed to cigarette smoke. <i>Journal of ApiProduct and ApiMedical Science</i> , 2011, 3, 12-17.	0.4	22
20	Protective effect of honey against cigarette smoke induced-impaired sexual behavior and fertility of male rats. <i>Toxicology and Industrial Health</i> , 2013, 29, 264-271.	0.6	21
21	Malaysian propolis and metformin mitigate subfertility in streptozotocin-induced diabetic male rats by targeting steroidogenesis, testicular lactate transport, spermatogenesis and mating behaviour. <i>Andrology</i> , 2020, 8, 731-746.	1.9	21
22	Anti-Atherogenic Effects of Orlistat on Obesity-Induced Vascular Oxidative Stress Rat Model. <i>Antioxidants</i> , 2021, 10, 251.	2.2	21
23	Autonomic Nervous System Mediates the Hypotensive Effects of Aqueous and Residual Methanolic Extracts of <i>Syzygium polyanthum</i> (Wight) Walp. var. <i>polyanthum</i> Leaves in Anaesthetized Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-16.	0.5	20
24	Protective effects of bee bread on testicular oxidative stress, NF- $\kappa$ B-mediated inflammation, apoptosis and lactate transport decline in obese male rats. <i>Biomedicine and Pharmacotherapy</i> , 2020, 131, 110781.	2.5	20
25	Obesity and Comorbidity: Could Simultaneous Targeting of esRAGE and sRAGE Be the Panacea?. <i>Frontiers in Physiology</i> , 2019, 10, 787.	1.3	19
26	Orlistat attenuates obesity-induced decline in steroidogenesis and spermatogenesis by upregulating steroidogenic genes. <i>Andrology</i> , 2020, 8, 1471-1485.	1.9	19
27	Nutritional, Phytochemical and Antioxidant Analysis of Bee Bread from Different Regions of Malaysia. , 2019, 81, .		19
28	Propolis improves pregnancy outcomes and placental oxidative stress status in streptozotocin-induced diabetic rats. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 324.	3.7	18
29	Stress Hormone and Reproductive System in Response to Honey Supplementation Combined with Different Jumping Exercise Intensities in Female Rats. <i>BioMed Research International</i> , 2014, 2014, 1-6.	0.9	16
30	Tualang honey ameliorates restraint stress-induced impaired pregnancy outcomes in rats. <i>European Journal of Integrative Medicine</i> , 2014, 6, 657-663.	0.8	16
31	The Antinociceptive Effects of Tualang Honey in Male Sprague-Dawley Rats: A Preliminary Study. <i>Journal of Traditional and Complementary Medicine</i> , 2014, 4, 298-302.	1.5	16
32	Composition of Royal Jelly (RJ) and Its Anti-Androgenic Effect on Reproductive Parameters in a Polycystic Ovarian Syndrome (PCOS) Animal Model. <i>Antioxidants</i> , 2020, 9, 499.	2.2	16
33	Tert-butylhydroquinone attenuates doxorubicin-induced dysregulation of testicular cytoprotective and steroidogenic genes, and improves spermatogenesis in rats. <i>Scientific Reports</i> , 2021, 11, 5522.	1.6	16
34	Effects of honey supplementation combined with different jumping exercise intensities on bone mass, serum bone metabolism markers and gonadotropins in female rats. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 126.	3.7	15
35	Effects of Post-Exercise Honey Drink Ingestion on Blood Glucose and Subsequent Running Performance in the Heat. <i>Asian Journal of Sports Medicine</i> , 2015, 6, e24044.	0.1	15
36	Stingless Bee Honey Improves Spatial Memory in Mice, Probably Associated with Brain-Derived Neurotrophic Factor (BDNF) and Inositol 1,4,5-Triphosphate Receptor Type 1 ( <i>Itpr1</i> ) Genes. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-11.	0.5	13

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37	In vitro modulation of extracellular matrix genes by stingless bee honey in cellular aging of human dermal fibroblast cells. <i>Journal of Food Biochemistry</i> , 2020, 44, e13098.	1.2	13
38	Effect of honey on the reproductive system of male rat offspring exposed to prenatal restraint stress. <i>Andrologia</i> , 2016, 48, 525-531.	1.0	12
39	Chemical Profile, Antioxidant Properties and Antimicrobial Activities of Malaysian <i>Heterotrigona itama</i> Bee Bread. <i>Molecules</i> , 2021, 26, 4943.	1.7	11
40	Review on Bee Products as Potential Protective and Therapeutic Agents in Male Reproductive Impairment. <i>Molecules</i> , 2021, 26, 3421.	1.7	10
41	Protective and Therapeutic Effects of Orlistat on Metabolic Syndrome and Oxidative Stress in High-Fat Diet-Induced Metabolic Dysfunction-Associated Fatty Liver Disease (MAFLD) in Rats: Role on Nrf2 Activation. <i>Veterinary Sciences</i> , 2021, 8, 274.	0.6	10
42	Hepatoprotective Effect of Bee Bread in Metabolic Dysfunction-Associated Fatty Liver Disease (MAFLD) Rats: Impact on Oxidative Stress and Inflammation. <i>Antioxidants</i> , 2021, 10, 2031.	2.2	9
43	Melatonin Effects on Plasmodium Life Cycle: New Avenues for Therapeutic Approach. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2012, 6, 139-147.	0.7	8
44	Metformin mitigates impaired testicular lactate transport/utilisation and improves sexual behaviour in streptozotocin-induced diabetic rats. <i>Archives of Physiology and Biochemistry</i> , 2021, 127, 51-60.	1.0	8
45	Bee Bread Ameliorates Vascular Inflammation and Impaired Vasorelaxation in Obesity-Induced Vascular Damage Rat Model: The Role of eNOS/NO/cGMP-Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4225.	1.8	8
46	Tissue kallikrein and kininogen levels in fetoplacental tissues from normotensive pregnant women and women with pregnancy-induced hypertension. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2007, 134, 15-19.	0.5	7
47	Sexual Abstinence and Associated Factors Among Young and Middle-Aged Men: A Systematic Review. <i>Journal of Sexual Medicine</i> , 2020, 17, 412-430.	0.3	7
48	Malaysian Propolis and Metformin Synergistically Mitigate Kidney Oxidative Stress and Inflammation in Streptozotocin-Induced Diabetic Rats. <i>Molecules</i> , 2021, 26, 3441.	1.7	7
49	Therapeutic Effects of Bee Bread on Obesity-Induced Testicular-Derived Oxidative Stress, Inflammation, and Apoptosis in High-Fat Diet Obese Rat Model. <i>Antioxidants</i> , 2022, 11, 255.	2.2	7
50	Paternal Fenitrothion Exposures in Rats Causes Sperm DNA Fragmentation in F0 and Histomorphometric Changes in Selected Organs of F1 Generation. <i>Toxics</i> , 2021, 9, 159.	1.6	6
51	Orlistat reverses intratesticular lactate transport decline and infertility in male obese rats. <i>Reproduction</i> , 2020, 160, 863-872.	1.1	6
52	A New Region-Based Adaptive Thresholding For Sperm Motility Segmentation. <i>Malaysian Journal of Computer Science</i> , 2017, 29, 272-286.	0.5	6
53	Malaria, Anti Malarial Drugs and the Role of Melatonin. <i>Infectious Disorders - Drug Targets</i> , 2012, 12, 371-379.	0.4	5
54	Modified moving k-means clustering algorithm. <i>International Journal of Knowledge-Based and Intelligent Engineering Systems</i> , 2012, 16, 79-86.	0.7	5

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55	Histological changes in male accessory reproductive organs in rats exposed to cigarette smoke and the protective effect of honey supplementation. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2012, 9, 329-35.	0.3	5
56	The effects of Tualang honey intake during prenatal stress on pain responses in the rat offsprings. <i>European Journal of Integrative Medicine</i> , 2013, 5, 326-331.	0.8	5
57	The promising roles of medicinal plants and bioactive compounds on hepatic lipid metabolism in the treatment of non-alcoholic fatty liver disease in animal models: molecular targets. <i>Archives of Physiology and Biochemistry</i> , 2023, 129, 1262-1278.	1.0	5
58	Tualang honey supplementation improves oxidative stress status among chronic smokers. <i>Toxicological and Environmental Chemistry</i> , 2015, , 1-8.	0.6	4
59	Effects of honey supplementation on safety profiles among postmenopausal breast cancer patients. <i>Journal of Taibah University Medical Sciences</i> , 2018, 13, 535-540.	0.5	4
60	Effect of bee bread on some biochemical parameters and skeletal muscle histology of high-fat diet-induced obese Sprague-Dawley rats. <i>Journal of Food Biochemistry</i> , 2021, 45, e13626.	1.2	4
61	Modulation of the Lipid Profile, Hepatic and Renal Antioxidant Activities, and Markers of Hepatic and Renal Dysfunctions in Alloxan-Induced Diabetic Rats by Virgin Coconut Oil. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2019, 19, 1032-1040.	0.6	4
62	Effects of Melatonin Derivatives on Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2014, 8, 102-108.	0.7	4
63	Automated human sperm tracking using mean shift - collision detection and modified covariance matrix method. <i>Multimedia Tools and Applications</i> , 2020, 79, 28551-28585.	2.6	3
64	Bee bread mitigates downregulation of steroidogenic genes, decreased spermatogenesis, and epididymal oxidative stress in male rats fed with high-fat diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E351-E366.	1.8	3
65	Fenitrothion Impaired Sexual Behaviour and Reproductive Performance in Male Sprague-Dawley Rats. <i>Sains Malaysiana</i> , 2020, 49, 1333-1344.	0.3	3
66	Metabolic Syndrome, its Pathophysiology and the Role of Melatonin. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2012, 7, 11-25.	0.7	3
67	Malaysian Bee Bread Attenuates Apoptosis and Improves Cell Proliferation in Testis of High-Fat Diet-Induced Obese Rats. <i>International Journal of Human and Health Sciences (IJHHS)</i> , 0, , 44.	0.0	3
68	The effect of ethanol extract of Nigerian ficus glumosa leaf on liver function in Diabetic rats. <i>Journal of Molecular Pathophysiology</i> , 2015, 4, 103.	0.3	3
69	Metformin Reduces Oxidative Stress Status and Improves Plasma Insulin Level in Streptozotocin-Induced Diabetic Rats. <i>Journal of Pharmacy and Nutrition Sciences (discontinued)</i> , 2016, 6, 120-125.	0.2	3
70	Bee bread attenuates the progression of atherosclerosis by activating Nrf2/Keap1 and modulating TNF- $\alpha$ /NF- $\kappa$ B-associated mast cell migration and a mitochondrial-dependent apoptotic pathway in the obese rat model. <i>Food and Function</i> , 2022, 13, 8119-8130.	2.1	3
71	Melatonin and Immune Function: Clinical Significance. , 2014, , 143-157.		2
72	Malaysian Propolis Restores Endothelium-Dependent Aortic Relaxation in Diabetic Rats: Pharmacodynamics of Vasoactive Bee Product. <i>International Journal of Cardiology</i> , 2018, 273, 1-2.	0.8	2

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73	Preemptive Effects of Administration of Tualang Honey on Inflammatory Responses in Adult Male Rats. <i>Journal of Pharmacy and Nutrition Sciences (discontinued)</i> , 2017, 7, 6-12.	0.2	2
74	Effects of bee bread supplementation during recovery on time trial performance and selected physiological parameters. <i>International Journal of Pharma and Bio Sciences</i> , 2018, 9, .	0.1	2
75	BLOOD GLUCOSE METABOLISM, SERUM, AND URINE OSMOLALITY IN RESPONSE TO SODIUM-ENRICHED ACACIA HONEY DRINK CONSUMPTION DURING REHYDRATION AFTER EXERCISE IN HOT AND HUMID ENVIRONMENT. <i>Journal of Sustainability Science and Management</i> , 2020, 15, 72-83.	0.2	2
76	Immune Mechanism, Aging, Season and Diseases: Modulatory Role of Melatonin. <i>Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry</i> , 2012, 12, 289-302.	0.5	1
77	Histological changes of female reproductive organs subjected to different jumping exercise intensities and honey supplementation in rats. <i>PeerJ</i> , 2019, 7, e7646.	0.9	1
78	Melatonin: Its Microbicidal Properties and Clinical Applications. , 2014, , 57-69.		1
79	A Review on Experimental Methods of Diabetic Research: Advantages and Limitations. <i>Annual Research &amp; Review in Biology</i> , 2015, 7, 100-108.	0.4	1
80	Targeting Advanced Glycation End Products (esRAGE and sRAGE) for Obesity, Diabetes, and its Associated Complications. , 2020, , 191-197.		1
81	Stingless bee propolis, metformin, and their combination alleviate diabetic cardiomyopathy. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 58, .	1.2	1
82	57 Metabolic syndrome among male patients undergoing coronary angiogram. <i>Journal of Men's Health</i> , 2011, 8, S117-S117.	0.1	0
83	Melatonin and Malaria: Therapeutic Avenues. , 2014, , 183-192.		0
84	Melatonin in Alzheimer's Disease: Focus on Neuroprotective Role. , 2014, , 235-247.		0
85	Melatonin's Beneficial Effects in Metabolic Syndrome with Therapeutic Applications. , 2014, , 29-48.		0
86	An Open-Label Pilot Study to Assess Honey Supplementation in Improving Lipid Profiles Among Chronic Smokers. <i>Journal of Integrative Medicine &amp; Therapy</i> , 2015, 2, .	0.2	0
87	Effects of Post-Exercise Honey Drink Ingestion on Blood Glucose and Subsequent Running Performance in The Heat. <i>Asian Journal of Sports Medicine</i> , 2015, 6, .	0.1	0
88	The Cerebral Plasticity Prospect of Stingless Bee Honey-Polyphenols Supplementation in Rehabilitation of Post-Stroke Vascular Cognitive Impairment. , 0, , .		0
89	Pollen and bee bread and liver health. , 2022, , 283-314.		0