

FARIDAH BT. YUSOF



- KULLIYAH OF ENGINEERING
- IIUM Gombak Campus
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ACADEMIC QUALIFICATION

- Ph.D in Latex Biochemistry
- Master in Chemistry/Biochemistry
- Bachelor in Chemistry/Biochemistry

TEACHING RESPONSIBILITIES

BIOCHEMISTRY	2018/2019 2019/2020 2020/2021
RESEARCH METHODOLOGY & SEMINAR	2020/2021
RESEARCH METHODOLOGY & SEMINAR IN BTE ENG (MIXED MODE)	2018/2019 2019/2020 2020/2021
RESEARCH METHODOLOGY & SEMINAR IN BTE ENG (RESEARCH MODE)	2018/2019 2019/2020 2020/2021
RESEARCH METHODOLOGY AND SEMINAR	2019/2020

RESEARCH PROJECTS

In Progress

2019 - Present	Effectiveness of microbial chitosan thin films from carbon substrate of palm oil mill effluent for potential application as novel tactile sensor in healthcare monitoring.
2018 - Present	EVALUATING RECOMBINANT COLLAGEN-LIKE PROTEIN AS ANIMAL-BASED COLLAGEN SUBSTITUTION FOR HALAL AND VEGETARIAN INDUSTRIES
2018 - Present	Scaling-up of recombinant collagen-like protein production
2017 - Present	Effectiveness of highly purified ANAE, a plant-esterase immobilized on Multi-walled Carbon Nanotube-Screen Printed Electrode as portable biosensor for the inhibition-based electrochemical detection of pesticides.
2017 - Present	Consolidated bioprocessing (CBP) for cost-effective biodiesel production from lignocellulosic agro-industry wastes.
2016 - Present	Interrogating Novel Compounds for Improved Anti-dengue Therapies via Inhibition of Host's Glycolytic Pathway

2006 - Present

Bio-Process and Molecular Engineering Research Unit (BPMERU)

Completed

- 2017 - 2020** Consolidated bioprocessing (CBP) for cost-effective biodiesel production from lignocellulosic agro-industry wastes.
- 2015 - 2019** Identification of Novel Antimalarial Agents for the Treatment of Knowlesi Malaria via in silico Screening and Enzymatic Inhibition Analysis
- 2015 - 2018** Novel Framework for Profiling of Small Extra-cellular Non-coding RNA for Diagnosis of Cancer
- 2014 - 2017** Electrochemical Characterization of Graphene-Nanoparticles-Cellulose Nanofibers Composites for the Development of Wearable Sensors
- 2014 - 2016** Recognition of Prokaryotic Promoters in DNA sequences Using Semi-Naive Bayesian Models
- 2014 - 2016** Early Cancer Detection from Microarray Gene Expression using Semi-Naive Bayesian Models
- 2014 - 2017** Electrochemical Characterization of Graphene-Nanoparticles-Cellulose Nanofibers Composites for the Development of Wearable Sensors
- 2014 - 2017** Conducting Polymer Nanocomposite as Transducer Layer for a Robust Biochemical Microsensor
- 2013 - 2016** Isolation and Characterization of Microfibrillated Cellulose (MFC) Obtained from Cocoa Pod Husks Treated via Fungal Pretreatment Combined with Homogenization
- 2013 - 2016** Isolation, Purification and Characterization of Anti-Microbial Peptides of Low Molecular Weight from Non- and Immunized Super Meal Worm (*Zophobas morio Fabricus*)
- 2012 - 2015** Isolation and Characterization of Bacterial Strain Producing L-Asparaginase from Local Hot Spring
- 2012 - 2016** Identification, Purification and Characterization of Tetrathionate Hydrolase from *Thiobacillus Ferrooxidans*, an Enzyme Responsible for Enzymatic Devulcanization of Waste Rubber Products
- 2012 - 2016** Production of CLEA-Hydrolases and COMBI-CLEA-Hydrolases from the skim latex of *Hevea brasiliensis*
- 2010 - 2011** Carbon Nanotubes as a Hydrophobic Interaction Chromatographic Media in Protein Purification
- 2010 - 2014** Identification, Purification and Characterization of Industrially Useful Hydrolases from the wasteful skim latex of *Hevea Brasiliensis*
- 2008 - 2010** Pretreatment of Palm Oil Empty Fruit Bunch (EFB) for the Production of Cellulose
- 2008 - 2013** Dynamics and Instabilities of Heated Nano-Thin Falling Films

- 2007 - 2009** Effect of Carbon Nanotubes Loading on the Mechanical Properties of Thermoplastics Elastomers from Blends of Polypropylene with Natural Rubber
- 2006 - 2011** Effect of Palm Vitamin E on the Expression of Neurotransmitter in Neuron Cell Injury Induced With Glutamate
- 2006 - 2010** Enzymatic Devulcanization Of Waste Rubber Products In Preparation To Be Recycled Into Virgin Rubber Batch
- 2006 - 2009** Purification and Identification of Antimicrobial Active Compound (Patatin- Like Protein) From Waste of Rubber Industry

PUBLICATIONS

Article

- 2020** [Immobilization of clea-lipase of hevea brasiliensis onto magnetic nanoparticles for enhanced biocatalytic performance.](#) Malaysian Applied Biology , 49 (1) pp.141-152
- 2020** [Involvements of food grade dialdehydic pectin as cross-linker and soy protein as additive in the production of MNP-CLEA-lipase from Hevea brasiliensis.](#) Journal of Applied Biotechnology and Bioengineering , 7 (5) pp.215-223
- 2020** [Discovery of cold-active protease from psychrophilic bacteria isolated from Antarctic region for bio-prospecting.](#) Malaysian Applied Biology , 49 (1) pp.55-60
- 2020** [Enhanced Kinetic Performance of CLEA-Lipase extracted from skim latex of Hevea brasiliensis upon immobilization on magnetic nanoparticles.](#) Journal of Advanced Research in Materials Science , 73 (1) pp.1-11
- 2019** [Induction of apoptosis and cell cycle arrest in two human cancer A549 and HT29 cells lines by Barhi date palm kernels extracts and three isolated cytotoxic compounds.](#) Preprint pp.1-37
- 2019** [Effects of time, temperature, and solvent ratio on the extraction of non-extractable polyphenols with anticancer activity of barhi date palm kernels extracts using response surface methodology.](#) Preprints pp.1-36
- 2019** [The endothelial nitric oxide synthase gene G894T, glutathione S-transferase \(GSTM1 and GSTT1\) polymorphisms as a risk factor in the patient with nephrolithiasis.](#) International Journal of Biological Macromolecules , 140 pp.719-726
- 2019** [Cancer relapse prediction from microrna expression data using machine learning.](#) Journal of Mechanics of Continua and Mathematical Sciences , Special Issue (1) pp.365-373
- 2019** [Urea functionalized multiwalled carbon nanotubes as efficient nitrogen delivery system for rice.](#) Advances in Natural Sciences: Nanoscience and Nanotechnology , 10 (1) pp.1-12
- 2019** [Relative characterization of immobilized beta-glucosidase on calcium-alginate and acid functionalized-multiwalled carbon nanotubes peel.](#) Jurnal Teknologi , 81 (3) pp.1-10

- 2018** [Chlorella vulgaris logistic growth kinetics model in high concentrations of aqueous ammonia.](#) IJUM Engineering Journal , 19 (2) pp.1-9
- 2018** [Genetic polymorphisms of human transcription factor-7 like 2 \(TCF7L2\), \$\beta\$ -defensin \(DEFB1\) and CD14 genes in nephrolithiasis patients.](#) International Journal of Biological Macromolecules , 118 (Part A) pp.610-616
- 2018** [Effect of functionalised and non-functionalised carbon nanotubes-urea fertilizer on the growth of paddy.](#) Tropical Life Sciences Research , 29 (1) pp.17-35
- 2018** [Cancer histopathologic subtypes prediction from miRNA expression data using pattern recognition.](#) Journal of Informatics and Mathematical Sciences
- 2018** [Effect of process parameters on the synthesis of silver nanoparticles and its effects on microbes.](#) Jurnal Teknologi , 80 (3) pp.115-121
- 2017** [Association of MMP-9 gene polymorphisms with nephrolithiasis patients.](#) Journal of Clinical Laboratory Analysis , 32 (1) pp.1-6
- 2017** [Determination of alpha-2-MRAP gene polymorphisms innephrolithiasis patients.](#) International Journal of Biological Macromolecules , 105 (Part 1) pp.1324-1327
- 2017** [Multiwalled carbon nanotubes enhancing nitrogen uptake and use efficiency of urea fertilizer by paddy.](#) Jurnal Teknologi , 79 (5-2) pp.105-109
- 2017** [Nutrients depictions of Barhi date palm \(Phoenix dactylifera L.\) kernels 1.](#) International Food Research Journal , 24 (Suppl.) pp.S325-S334
- 2017** [A kinetic performance of Cross-Linked Enzyme Aggregates \(CLEA\)-amylase from Zophobas morio.](#) International Food Research Journal (IFRJ) , 24 (Suppl.) pp.S320-S324
- 2017** [Characterization of cross-linked enzyme aggregates \(CLEA\)-amylase from Zophobas morio.](#) International Food Research Journal , 24 (Suppl.) pp.S335-S339
- 2017** [Anticancer peptides derived from supermeal worm \(Zophobas morio\) larvae.](#) International Food Research Journal (IFRJ) , 24 pp.S456-S451
- 2017** [An approach to optimize process parameter for peptides extraction from Zophobas morio \(Fabricius\) using antifungal activity as the response.](#) International Food Research Journal (IFRJ) , 24 pp.457-462
- 2017** [Effect of extraction process parameters on antifungal peptides from Supermeal worm, Zophobas morio \(Fabricius\).](#) International Food Research Journal (IFRJ) , 24 (Suppl.) pp.463-467
- 2017** [Influence of enzymatic devulcanization process conditions on the tensile strength of revulcanized rubber.](#) Journal of Advanced Research in Materials Science , 38 (1) pp.15-20
- 2017** [Levels of antioxidant enzymes and alkaline protease from pulp and peel of sunflower.](#) Asian Pacific Journal of Tropical Biomedicine , 7 (6) pp.533-537
- 2017** [Nutrients depictions of Barhi date palm \(Phoenix dactylifera L.\) kernels.](#) International Food Research Journal (IFRJ) , 24 (Suppl.) pp.S325-S334
- 2017** [Evaluation of miRNA-based classifiers for cancer diagnosis.](#) Science International , 29 (5) pp.1019-1024

- 2017** [The aggregation study and characterization of silver nanoparticles.](#) Solid State Phenomena , 263 pp.165-169
- 2017** [Effects of oil palm tocotrienol rich fraction on the viability and morphology of astrocytes injured with glutamate.](#) Food Bioscience , 20 pp.168-177
- 2017** [Comparison of purification methods to purify recombinant bromelain from Escherichia coli BL21-A1 = Perbandingan kaedah penulenan rekombinan bromelain daripada Escherichia coli BL21-A1.](#) Malaysian Journal of Analytical Sciences , 21 (4) pp.958-971
- 2016** [Optimizing the preparation conditions of cross-linked enzyme aggregates \(CLEA\)-protease.](#) Bioresources and Bioprocessing , 3 (3) pp.1-11
- 2016** [Application of response surface methodology for optimization of urea grafted multiwalled carbon nanotubes in enhancing nitrogen use efficiency and nitrogen uptake by paddy plants.](#) Journal of Nanotechnology , 2016 pp.1250739-1
- 2016** [Hygrothermal performance of building envelopes in the tropics under operative conditions: condensation and mould growth risk appraisal .](#) Jurnal Teknologi , 78 (5) pp.271-279
- 2016** [An overview of drug delivery vehicles for cancer treatment: Nanocarriers and nanoparticles including photovoltaic nanoparticles.](#) Journal of Photochemistry & Photobiology, B: Biology (164) pp.151-159
- 2016** [A modeling study by artificial neural network on process parameter optimization for silver nanoparticle production.](#) ARPN Journal of Engineering and Applied Sciences , 11 (20) pp.1-6
- 2016** [Process optimization of silver nanoparticle synthesis using response surface methodology.](#) Procedia Engineering , 148 pp.992-999
- 2016** [Evaluation of heuristic-based MicroRNA marker selection techniques for classification of cancer.](#) International Journal of Life Sciences Biotechnology and Pharma Research, 5(1), 18-21, DOI: 10.18178/ijlbpr.5.1.18-21 , 5 (1) pp.18-21
- 2016** [Purification and characterization of surfactant-stable protease from Bacillus licheniformis: A potential additive for laundry detergent.](#) International Journal of Advanced Biotechnology and Research (IJBR) , 7 (2) pp.634-643
- 2016** [Serum E3 SUMO-protein ligase NSE2 level and peroxynitrite related to oxidative stress in nephrolithiasis patients.](#) Asian Pacific Journal of Tropical Biomedicine , 7 (3) pp.249-252
- 2016** [An overview of antifungal peptides derived from insects.](#) Peptides , 80 pp.80-88
- 2016** [Cocoa pod husk, a new source of hydrolase enzymes for preparation of cross-linked enzyme aggregate.](#) SpringerPlus , 5 (57) pp.1-18
- 2016** [Cocoa pod husk: a new source of CLEA-lipase for preparation of low-cost biodiesel: An optimized process.](#) Journal of Biotechnology , 231 pp.95-105
- 2015** [Development of an immobilized biocatalyst with lipase and protease activities as a multipurpose cross-linked enzyme aggregate \(multi-CLEA\).](#) Process Biochemistry , 50 (12) pp.2144-2157

- 2015** [Optimizing the preparation of Cross-Linked Enzyme Aggregates \(CLEA\)- amylase from supermeal worm \(*Zophobas morio*\)](#). ARPN Journal of Engineering and Applied Sciences , 10 (21) pp.9710-9716
- 2015** [Optimized preparation and characterization of CLEA-lipase from cocoa pod husk](#). Journal of Biotechnology , 202 pp.153-161
- 2015** [Statistical evaluation of the production of urea fertilizer multiwalled carbon nanotubes using plackett burman experimental design](#). Procedia - Social and Behavioral Sciences , 195 pp.315-323
- 2015** [Protein purification in chromatographic media using multiwall carbon nanotubes](#). Journal of Bioprocessing & Biotechniques , 5 (3) pp.1000214
- 2015** [Study the effect of increased levels of lead on sera alpha amylase activity, and some biochemical parameters from a large private electrical generators workers](#). Advances in Environmental Biology , 9 (8) pp.163-167
- 2015** [Optimization of process parameters for enhanced mechanical properties of polypropylene ternary nanocomposites](#). Advances in Science and Technology Research Journal , 9 (5) pp.27-33
- 2015** [The effect of renal stones on serum adenosine aminohydrolase and AMP-aminohydrolase in Malaysia](#). Asian Pacific Journal of Tropical Biomedicine , 5 (6) pp.478-484
- 2015** [Study the effect of kidney stones on serum xanthine oxidase, ecto-5'-nucleotidase activity and e3 sumo-protein ligase nse2 \(NSMCE2\) in Malaysian individuals](#). Asian Pacific Journal of Tropical Biomedicine , 5 (8) pp.665-668
- 2015** [Effects of acute lymphoblastic leukemia on ceruloplasmin oxidase, copper and several markers of oxidative damage, in children](#). Asian Pacific Journal of Cancer Prevention , 16 (13) pp.5205-5210
- 2015** [Statistical optimization of physicochemical factors for protease production by *Bacillus licheniformis* on skim latex serum effluent fortified media](#). Journal of Engineering Sciences and Technology , Spec.6 pp.42-52
- 2015** [Application of Plackett-Burman design for screening of parameters for the production of tetrathionate hydrolase by *Thiobacillus ferrooxidans*](#). Journal of Engineering Science and Technology , Spec.3 pp.12-21
- 2015** [Effects of Nephrolithiasis on Serum DNase \(Deoxyribonuclease I and II\) activity and E3 SUMO-Protein Ligase NSE2 \(NSMCE2\) in Malaysian individuals](#). Biomedical and Environmental Science , 28 (9) pp.660-665
- 2015** [CD26: A prognostic marker of acute lymphoblastic leukemia in children in the post remission induction phase](#). Asian Pacific Journal of Cancer Prevention , 16 (12) pp.5056-5062
- 2014** [Screening of novel acidified solvents for maximal antimicrobial peptide extraction from *zophobas morio fabricius*](#). Advances in Environmental Biology , 8 (3) pp.803-809
- 2014** [Experimental design and statistical analysis of protein buffer to purify hydrolases from the skim latex of *hevea brasiliensis*](#). Advances in Environmental Biology , 8 (3) pp.672-679

- 2014** [Production of laccase by resinicum bicolor in submerged cultures: application of the plackett-burman experimental design to screen major factors.](#) International Journal of Environmental Engineering , 1 (2) pp.146-150
- 2014** [Optimization of media components for tetrathionate hydrolase production from thiobacillus ferrooxidans.](#) Journal of Pure and Applied Microbiology , 8 (6) pp.4465-4469
- 2014** [Optimized preparation and characterization of CLEA-lipase from cocoa pod husk .](#) Journal of Biotechnology
- 2014** [Improved efficiency of tocotrienol extraction from fresh and processed latex.](#) Journal of Rubber Research , 17 (4) pp.245-260
- 2014** [A hybrid enzymatic zinc-air fuel cell.](#) Sains Malaysiana , 43 (3) pp.459-465
- 2014** [Bromelain: an overview of industrial application and purification strategies.](#) Applied Microbiology and Biotechnology , 98 (14) pp.7283-7297
- 2014** [Optimized preparation and characterization of CLEA-lipase from cocoa pod husk.](#) Journal of Biotechnology , 1855 pp.S23-S24
- 2014** [Gelatin as an ingredient in food and pharmaceutical products: an Islamic perspective.](#) Advances in Environmental Biology , 8 (3) pp.774-780
- 2014** [Extraction and screening of various hydrolases from Malaysian channel catfish \(ictalurus punctatus\) viscera.](#) International Journal of Chemical and Environmental Engineering , 5 (2) pp.79-82
- 2014** [Optimization of the purification of nucleocapsid protein of newcastle disease virus by ultracentrifugation method.](#) Journal of Pure and Applied Microbiology , 8 (1) pp.821-825
- 2014** [Muscle Creatine Kinase \(M-CK\), Aldolase A and Voltage Dependent Anion Channel 2 \(VDAC2\) as Potential Biomarkers for Identification of Electrically Stimulated Chicken Muscle.](#) Journal of Pure and Applied Microbiology , 8 (s.ed 1) pp.707-718
- 2014** [Gene expression mining for predicting survivability of patients in early stages of lung cancer.](#) International Journal on Bioinformatics & Biosciences (IJBB) , 4 (2) pp.1-9
- 2014** [Cancer recurrence prediction using machine learning.](#) International Journal of Computational Science and Information Technology (IJCSITY) , 2 (2) pp.11-20
- 2014** [Cancer recognition from DNA microarray gene expression data using averaged one-dependence estimators.](#) International Journal on Cybernetics & Informatics (IJCI) , 3 (2) pp.1-10
- 2013** [Mechanical properties and morphological characteristics of polypropylene ternary nanocomposite \(PP-LS-MWCNT\) for industrial applications.](#) Chemical and Process Engineering Research , 8 pp.12-20
- 2012** [Irradiation modification of epoxidized natural rubber/ethylene vinyl acetate/carbon nanotubes nanocomposites.](#) Advanced Materials Research , 364 pp.427-433
- 2012** [Freely-suspended, single chamber glucose oxidase-laccase enzymatic fuel cell.](#) Advanced Materials Research , 512/15 pp.1499-1502

- 2012** [Identification of troponin I and actin, alpha cardiac muscle 1 as potential biomarkers for hearts of electrically stimulated chickens.](#) Proteome Science , 10 (1) pp.1-8
- 2012** [A rapid method for large sample number extraction of proteins from mammalian cells.](#) Regenerative Research , 1 (2) pp.49-55
- 2011** [Zinc-laccase biofuel cell.](#) IIUM Engineering Journal , 12 (4) pp.153-160
- 2011** [Chemical resistance tests on PP-ternary nanocomposite for its application in bioreactor liner fabrication.](#) Science China Technological Sciences , 54 (8) pp.2217-2223
- 2011** [Simple process capability analysis and quality validation of monoclonal antibody production in bench-top bioreactor.](#) African Journal of Biotechnology , 10 (81) pp.18824-18828
- 2011** [Effect of processing conditions in the preparation of PP-Ternary Nanocomposite using MWCNT as secondary filler.](#) Journal of Materials Science and Engineering , 5 pp.130-144
- 2011** [Expression, purification, and characterization of a recombinant stem bromelain from ananas comosus.](#) Process Biochemistry , 46 (12) pp.2232-2239
- 2011** [Stability and thermal conductivity enhancement of Carbon nanotube \(CNT\) nanofluid using gum Arabic .](#) Journal of Experimental Nanoscience , 6 (6) pp.567-579
- 2011** [The production of carbon nanotubes using two-stage chemical vapor deposition and their potential use in protein purification.](#) Chemical Engineering Journal , 168 pp.461-169
- 2011** [Over expression of Voltage Dependent Anion Channel 2 \(VDAC2\) in muscles of electrically stunned chickens.](#) IIUM Engineering Journal , 12 (4) pp.213-221
- 2011** [CFD studies on natural convection heat transfer of Al₂O₃-water nanofluids.](#) Heat Mass Transfer , 47 (10) pp.1301-1310
- 2011** [Molecular cloning and production of recombinant phytase from Bacillus Subtilis ASUIA243 in Pichia Pastoris.](#) IIUM Engineering Journal , 12 (4) pp.1
- 2011** [Factors affecting endoglucanase production by Trichoderma reesei RUT C-30 from solid state fermentation of oil palm empty fruit bunches using Plackett-Burman design.](#) African Journal of Biotechnology , 10 (46) pp.9402-9409
- 2010** [Statistical optimization of carbon nanotubes production by DS-CVD and its application in protein purification.](#) World Journal of Engineering , 7 (4) pp.282-289
- 2010** [Bacterial communities in Kuantan estuary of Pahang, Malaysia.](#) Journal of Applied Sciences , 10 (8) pp.652-657
- 2010** [Optimization of CNTs production using full factorial design and its advanced application in protein purification.](#) International Journal of Nanoscience , 9 (3) pp.181-192
- 2010** [Effect of Modification on the Physicochemical and Thermal Properties of Organophilic Clay Modified with Octadecylamine.](#) International Journal of Engineering and Technology , 10 (1) pp.27-35

- 2010 [Improving the polypropylene-clay composite using carbon nanotubes as secondary filler.](#) Energy Research Journal , 1 (2) pp.68-72
- 2010 [Radiation vulcanization of natural rubber latex loaded with carbon nanotubes.](#) Fullerenes, Nanotubes and Carbon Nanostructures , 18 (1) pp.56-71
- 2010 [Effect of radiation dose on the properties of natural rubber nanocomposite.](#) Radiation Physics and Chemistry , 79 (12) pp.1279-1285
- 2009 [Antibacterial activity of mango kernel extracts.](#) Journal of Applied Sciences , 9 (17) pp.3013-3019
- 2007 [Characterisation of recombinant Hevea brasiliensis allene oxide synthase: Effects of cyclooxygenase inhibitors, lipoxygenase inhibitors and salicyclate on enzyme activity.](#) Plant Physiology and Biochemistry , 45 (2) pp.129-138
- 2006 [An assessment of the stimulation of rubber biosynthesis by eIF-5A proteins-enriched bacterial lysates.](#) Journal of Rubber Research , 9 (4) pp.251-259

Conference or Workshop Item

- 2020 [Screening of macromolecular cross-linkers and food-grade additives for enhancement of catalytic performance of MNP-CLEA-lipase of Hevea brasiliensis.](#) In: **The 1st International Conference of Science, Engineering and Technology (ICSET 2020)**
- 2020 [Preliminary study on immobilization of plant esterase on functionalized multi-walled carbon nanotubes \(MWCNTs\) for biosensor application.](#) In: **The 1st International Conference of Science, Engineering and Technology (ICSET 2020)**
- 2020 [Plackett-Burman design for the optimization of a novel extracellular marine protease production.](#) In: **Asian Regional Conference on Systems Biology 2020**
- 2018 [Screening of protease and lipase sources from visceral organs of Euthynnus affinis.](#) In: **2nd Nommensen International Conference on Technology and Engineering, NICTE 2018**
- 2018 [Cancer relapse prediction from microrna expression data using machine learning.](#) In: **3rd Current Research on Information Technology, Mathematics Sciences, Science and Technology (CRIMSTIC 2018)**
- 2018 [Spider silk processing for spidroin recovery from crossopriza lyoni web.](#) In: **Malaysian Technical Universities Conference on Engineering and Technology 2017, MUCET 2017**
- 2018 [Synthesis and process parameter optimization of immobilizing CLEA-lipase from fish viscera onto magnetic nanoparticles.](#) In: **5th International Conference on Biotechnology Engineering (ICBioE 2018)**
- 2018 [Optimization of the amino functionalization of magnetic nanoparticles for Use in MNP-CLEA technology.](#) In: **5th International Conference on Biotechnology Engineering (ICBioE 2018)**
- 2017 [A novel approach of core-shell Ag@Pt nanoparticles production.](#) In: **5th International Conference on Nanostructures, Nanomaterials and Nanoengineering, ICNNN 2016 and International Conference on Materials Technology and Applications, ICMTA 2016**

- 2017 [Evaluation of miRNA-based classifiers for cancer diagnosis.](#) In: **International Conference on Engineering, Technologies and Applied Sciences (ICETAS-2017)**
- 2016 [Classification of miRNA expression data using random forests for cancer diagnosis.](#) In: **6th International Conference on Computer and Communication Engineering (ICCCE 2016)**
- 2016 [Ectopic miRNA network and the crosstalk between different signalling pathways during EMT and MET.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Optimum immobilization of \$\beta\$ -Glucosidase enzyme in ca-alginate and acid functionalized-multiwalled carbon nanotubes and comparison of the catalyst effectiveness.](#) In: **International Conference Biotechnology Engineering, ICBioE '16 July 25-27, 2016, Kuala Lumpur, Malaysia**
- 2016 [Modelling and optimization of process parameters for silver nanoparticles synthesis: A comparison between response surface methodology and artificial neural network.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Influence of enzymatic devulcanization process conditions on the tensile strength of revulcanized rubber.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Anticancer peptides derived from Supermeal worm, *Zophobas morio*.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Effect of some parameters in the synthesis of silver nanoparticles and its evaluation as antimicrobes .](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [An approach to optimize process parameter for peptides extraction from *Zophobas morio* \(Fabricius\) using antifungal activity as the response.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Effect of some parameters on the extraction process of antifungal peptides from Supermeal worm, *Zophobas morio* \(Fabricius\).](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Kinetic performance of cross-linked enzyme aggregates \(clea\)-amylase from *Zophobas morio*.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Characterization of cross-linked enzyme aggregates \(CLEA\)-amylase from *Zophobas morio*.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2016 [Ectopic miRNA network and the crosstalk between different signalling pathways during epithelial-mesenchymal transition and mesenchymal-epithelial transition.](#) In: **4th International Conference on Biotechnology Engineering 2016 (ICBioE 2016)**
- 2015 [Recovery of antifungal peptides from *zophobas morio fabricus*.](#) In: **Asian Congress on Biotechnology 2015 (ACB 2015)**

- 2015 [Investigation of anticancer peptides from zophobas moria fabricus.](#) In: **Asian Congress on Biotechnology 2015 (ACB 2015)**
- 2015 [Early Diagnosis of Non-small-cell lung Carcinoma from Gene Expression Using t-Distributed Stochastic Neighbor Embedding.](#) In: **International Conference on Advances Technology in Telecommunication, Broadcasting, and Satellite**
- 2015 [DNA microarray gene expression analysis for diagnosis of oral dysplasia and squamous-cell carcinoma.](#) In: **International Conference on Advances Technology in Telecommunication, Broadcasting, and Satellite**
- 2015 [Prognosis of early cervical carcinoma using gene expression profiling.](#) In: **International Conference on Advances Technology in Telecommunication, Broadcasting, and Satellite**
- 2015 [Classification of Immunosignature Using Random Forests for Cancer Diagnosis.](#) In: **International Conference on Advances Technology in Telecommunication, Broadcasting, and Satellite**
- 2015 [Hygrothermal performance of building envelopes in the tropics under operative conditions: condensation and mould growth risk appraisal.](#) In: **International Conference On Science, Engineering, Built Environment And Social Science (ICSEBS 2015)**
- 2014 [Lipase and amylase extracted from cocoa-pod husk, byproduct from local cocoa farming industry.](#) In: **Conference on Tropical Resources and Sustainable Sciences 2014 (CTReSS 2014)**
- 2014 [A comparative study of the effectiveness of \$\beta\$ -glucosidase immobilized on CNT-nanoparticles and Ca-alginate beads.](#) In: **16th European Congress on Biotechnology**
- 2014 [Identification of aldolase C, actin related protein 2 homolog, and enolase 1 as potential biomarkers for electrically stunned chickens.](#) In: **International Halal Conference 2014 (INHAC 2014)**
- 2014 [Production of cross-linked enzyme aggregate-lipase from channel catfish \(*ictalarus punctatus*\) viscera.](#) In: **International Conference on Biological, Chemical and Environmental Sciences (BCES-2014)**
- 2014 [Production of laccase by *Resinicium bicolor* in submerged cultures: application of the Plackett-Burman experimental design to screen major factors.](#) In: **International Conference on Advances in Civil, Structural, Environmental and Bio-Technology (CSEB 2014)**
- 2014 [Extraction and screening of various hydrolases from Malaysian channel catfish \(*ictalarus punctatus*\) viscera.](#) In: **4th International Chemical and Environmental Engineering Conference (ICEEC-2013-14)**
- 2014 [Mathematics: the bottleneck of cancer research.](#) In: **International Conference on Mathematical Applications in Engineering (ICMAE'14)**
- 2013 [Performance of \$\beta\$ -glucosidase immobilized on calcium alginate beads.](#) In: **The Third International Conference on BIOTECHNOLOGY ENGINEERING ICBioE'13**
- 2013 [Reaction kinetics of free and immobilized \$\beta\$ -glucosidase in alginate gel.](#) In: **TCHES - International Chemical Engineering Congress**

- 2011 [Optimization of process parameters for the production of polypropylene ternary nanocomposites.](#) In: **2nd International Conference on Biotechnology Engineering (ICBioE 2011)**
- 2011 [Optimization of process condition for isolation of Glutathione \(GSH\) from garlic bulbs.](#) In: **IIUM Research, Invention and Innovation Exhibition (IRIIE) 2011**
- 2010 [Long wave instabilities of heated falling films: role of Van Der Waals attraction.](#) In: **XIVth International Conference Surface Forces**
- 2010 [Zinc-air cell employing laccase as the oxygen reduction catalyst.](#) In: **3rd International Conference on Functional Materials and Devices 2010**
- 2010 [Studies on heat transfer enhancement of CNT-GA nanofluid in a laminar flow heat exchanger.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Identification of potential biomarker in heart proteome for authentication of Halal slaughtered chicken .](#) In: **2010 International Conference on Process Engineering and Advanced Materials (icpeam2010)**
- 2010 [Development of ternary nanocomposite for civil construction and fabrication of process vessels.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2010 [Molecular cloning sequencing purification of stem bromelain from Ananas comosus.](#) In: **National Biotechnology Seminar 2010**
- 2010 [Electron beam crosslinked natural rubber/multiwalled carbon nanotube nanocomposite.](#) In: **IIUM Research, Innovation & Invention Exhibition (IRIIE 2010)**
- 2009 [Neuroprotective properties of palm vitamin E against glutamate toxicity.](#) In: **Third Regional Conference on Molecular Medicine 2009 Proceedings**
- 2009 [Neuroprotective of tocotrienols in IN VIVO and IN VITRO systems.](#) In: **9th International Conference Vitamins, Nutrition, Diagnostics**
- 2009 [Development of patatin-like protein purification method from natural rubber industrial waste.](#) In: **Second International Conference and Workshops on Basic and Applied Sciences (2nd ICOWOBAS) & Regional Annual Fundamental Science Seminar 2009**
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