CURRICULUM VITAE

Assoc. Prof. Ts. Dr. Ali H. Jawad

Name	**ALI H. JAWAD**
Date and Place of Birth	5th November 1972, Baghdad, IRAQ
Citizenship	IRAQI
Marital status	Married
Address (Office)	Faculty of Applied Sciences, Universiti Teknologi MARA 40450 Shah Alam, Selangor Malaysia
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Current Position	Associate Professor, School of Chemistry and Environment Editor-in-Chief, Science Letters (ISSN:1675-7785) Faculty of Applied Sciences, Universiti Teknologi MARA (UiTM) Shah Alam.
Editor-in-Chief, Science Letters, Indexed by Malaysian Citation Centre (MCC)	https://scilett-fsg.uitm.edu.my/index.php/editorial-board
Editor, The Open Chemical Engineering Journal, Indexed by Scopus	https://benthamopen.com/TOCENGJ/editorial-board/
Editor, Journal of Medicinal and Chemical Sciences	http://jmchemsci.com/journal/editorial.board
Top peer reviewer in 2019 (Source: Web of Science, empowered by Publoons)	https://publons.com/researcher/1535411/ali-h-jawad/
Google Scholar Citations	http://scholar.google.com.my/citations?user=_uMgRvcAAAAJ&hl=en
Scopus Author ID	https://www.scopus.com/authid/detail.uri?authorId=36011774300#
ORCID ID	http://orcid.org/0000-0002-4827-9093
Research Gate ID	https://www.researchgate.net/profile/Ali_H_Jawad/citations?sorting=citation&page=1

Area of Specialization	Adsorption Technology; Photocatalysis; Nanocomposite Materials; Biomass; Activated carbon; Wastewater Treatment; Response Surface Methodology; Optimization.

ACADEMIC QUALIFICATIONS

1. **Ph.D. in Environmental Chemistry**, School of Chemical Sciences, University of Sains Malaysia, Penang, MALASIA, 2011.
2. **M.Sc. in Physical Chemistry**, Chemistry Department, College of Sciences for Women, University of Baghdad, IRAQ, 2000.
3. **B.Sc. in Chemistry**, Chemistry Department, College of Education for pure sciences, Ibn Al-Haitham,University of Baghdad, IRAQ, 1995.

WORKING EXPERIENCE

Academic Positions

1. **Associate Professor,** Faculty of applied Sciences, UNIVERSITI TEKNOLOGI MARA, UiTM Shah Alam, Selangor, Malaysia – May 2020 to Present.

1. **Senior Lecturer**, Faculty of applied Sciences, UNIVERSITI TEKNOLOGI MARA, UiTM Shah Alam, Selangor, Malaysia – May 2016 to May 2020.
2. **Senior Lecturer**, Faculty of applied Sciences, UNIVERSITI TEKNOLOGI MARA, UiTM Perlis, Arau Campus, Malaysia – May 2012 to May 2016.
3. **Lecturer**, Chemistry Department, AL-MERGHEB UNIVERSITY, LIBYA, Dec. 2001- Sep. 2006.
4. **Assistant Lecturer**, Chemistry Department, Collage of Sciences, AL-MUSTANSIRIYAH UNIVERSITY, BAGHDAD, IRAQ, Sep. 2001- Nov.2001.
5. **Lab Demonstrator**, Chemistry Department, College of Education for Pure Science, Ibn Al-Haitham, BAGHDAD UNIVERSITY, IRAQ, Sep. 1996 – Oct. 1997.

ADMINISTRATION POSITIONS

1. **Editor-in-Chief**, Science Letters Journal, Faculty of Applied Sciences, Universiti Teknologi MARA (UiTM), ISSN: 1675-7785, Indexed by Malaysian Citation Centre (MCC), Nov. 2019 to present.

2. **Recourse person** for a Research Methodology (FSG710), post-graduate level. Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia, August 2016- Feb. 2023.

3. **Recourse person** for a Hazardous Waste Treatment and Disposal (EVT677), undergraduate level. Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia, 1st August 2016-31st July 2018.

4. **Recourse person** for a Special Topic (EVT734), post-graduate level. Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia, 31st December 2013-1st August 2016.

PREVIOUS WORKING EXPERINCE

1. Tutor and Laboratory Demonstrator, School of Chemical Sciences, Universiti Sains Malaysia (USM), Malaysia, (2007-2011).

2. Research Officer (RO), School of Industrial Technology, Universiti Sains Malaysia (USM), Malaysia, March-September 2011.

PROFESSIONAL MEMBERSHIP

1. Regular member, American Chemical Society (ACS), Membership- number: 31383715, 15 August 2017 to present.

2. Regular member, Chemical Institute of Canada (CSC), Membership number: CIV_100697, 12 Oct. 2017 to present.

3. Regular member, Malaysian Analytical Sciences Society, Membership number: B015, 14 July 2017.

4. Malaysian Analytical Sciences Society (ANALIS).

5. Malaysian Professional Technologist (MBOT), Membership- number: PT21080683, August 26, 2021, to present.

INTERNATIONAL RECOGNITIONS/APPOINTMENTS

1. **Visiting Professor, The Faculty of Technology at El Oued University – Algeria**, June 1, 2021 and end on May 31, 2023.

2. **Certificate of Publons Academy Peer Review**, for completing the Publons Academy Practical Peer Review course on the 1st of June 2021.

3. **Certificate of Top Peer Reviewer 2019**, the top 1% of reviewers in each of the 22 Essential Science Indicators (ESI) research fields. Web of Science Group, Powered by Publons.

4. **Certificate of Outstanding Contribution in Reviewing 2015**, recognition for acting as a reviewer for 28 reviews from **Journal of Cleaner Production** (Q1 journal), Elsevier, Amsterdam.

5. **Certificate of Outstanding Contribution in Reviewing 2018**, recognition for acting as a reviewer **Materials Chemistry and Physics** (Q1 journal), Elsevier, Amsterdam.

6. **Certificate of Reviewing 2018**, recognition for acting as a reviewer for 2 reviews from **Journal of Environmental Chemical Engineering** (Q1 journal), Elsevier, Amsterdam.

7. **Certificate of Reviewing 2019**, recognition for acting as a reviewer for 3 reviews from **Journal of Environmental Chemical Engineering** (Q1 journal), Elsevier, Amsterdam.

8. **Certificate of Reviewing 2019**, recognition for acting as a reviewer for 1 review from **Biocatalysis and Agricultural Biotechnology** (Q1 journal), Elsevier, Amsterdam.

9. **Certificate of Reviewing 2019**, recognition for acting as a reviewer for 1 review from **International Journal of Biological Macromolecules** (Q1 journal), Elsevier, Amsterdam.

10. **Certificate of Reviewing 2018**, recognition for acting as a reviewer for 1 review from **Journal of Molecular Liquids** (Q1 journal), Elsevier, Amsterdam.

11. **Certificate of Reviewing 2018**, recognition for acting as a reviewer for 1 review from **Chinese Journal of Chemical Engineering** (Q1 journal), Elsevier, Amsterdam.

12. **Best Paper Award 2018** for the paper Biosorption of methylene blue dye by rice (Oryza sativa L.) straw: Adsorption and mechanism study. The 3rd International Tropical Renewable Energy Conference (The 3rd i-TREC) 6-8 September 2018, Discovery Kartika Plaza Hotel, Bali, INDONISIA.

13. **Recipient of appreciation letter form Ministry of Higher Education and Scientific Research**, IRAQ for conducting workshop on "Skills in Scientific Writing and Choosing Right Journal", Organized by Iraqi cultural attaché, Kuala Lampur, Malaysia. 9 March 2019, Dewan Canselori Putra, Universiti Putra Malaysia, UPM.

RECOGNITIONS FROM UNIVERSITY (UiTM)

1. **Recipient of Certificate of Award, "UiTM's Top Researcher 2020" (Top 3 in Q1 Journal)**, Deputy Vice Chancellor (Research & Innovation), Universiti Technologi MARA, 19 February 2021.

2. **Recipient of Certificate of Award, "UiTM's Top Researcher 2020" (Top 3 in Q2 Journal)**, Deputy Vice Chancellor (Research & Innovation), Universiti Technologi MARA, 19 February 2021

3. **Recipient of Certificate of Award, "UiTM's Top Researcher 2020" (Top 10 Highest h-index),** Deputy Vice Chancellor (Research & Innovation), Universiti Technologi MARA, 19 February 2021.

4. **Vice Chancellor Excellent Service Award (**Anugerah Perkhidmatan Cemerlang Universiti Teknologi MARA Tahun 2019. Received 07 September 2020.

5. **Recipient of Certificate of Appreciation** from Deputy Vice Chancellor (Research and Innovation) for making Science Letters Journal Indexed by MyCite, March 2020.

6. **Recipient of Certificate of Appreciation** (Sijil Penghargaan) for contribution to Malaysian Research Assessment (Penyumbang MyRA Penerbitan) for highest number of papers publications in Q1 and Q2 Journals. Anugerah Insentif Penerbitan MyRA 2019, Faculty of Applied Sciences, 20th February 2020, Majlis Appresiasi Fakulti Sains Gunaan.

7. **Recipient of Certificate of Appreciation** (Anugerah Insentif Penerbitan MyRA 2018), Faculty of Applied Sciences, 20th December 2018, Majlis Appresiasi Fakulti Sains Gunaan.

8. **Recipient of Dean's Outstanding Lecturer Award** for publications in 2017 (Anugerah Penerbitan Makalah Jurnal Anugerah Akademik FSG 2017). Faculty of Applied Sciences, Universiti Teknologi MARA.

9. **Recipient of Rector's award** for high impact factor publication (Anugerah Penulis Jurnal Berimpak Tinggi 2016). Hari Inovasi & Majlis Penghargaan Staf UiTM Perlis 2016, Universiti Teknologi MARA, Perlis, 22 December 2016.

10. **Recipient of Rector's award** for high impact factor publication (Anugerah Penulis Jurnal Berimpak Tinggi 2015). Hari Inovasi & Majlis Penghargaan Staf UiTM Perlis 2015, Universiti Teknologi MARA, Perlis, 26 January 2016.

NATIONAL RECOGNITIONS

1. **Recipient of Chancellor's award** Sanggar Sanjung (Hall of Fame) Award 2013 for Excellence in Journal Publication, Univerisiti Sains Malaysia (USM).

2. **Recipient of USM Fellowship Scheme**, IPS Universiti Sains Malaysia. September 2007-August 2010.

INVITED/KEYNOTE/PLENARY SPEAKER

1. **Invited speaker: "How to Review a Manuscript"** Research Support Webinar Series on Information Literacy Skills that held by Perpustakaan Tun Abdul Razak (PTAR), Universiti Teknologi MARA (UiTM), Shah Alam, **9th September 2021.**

2. **Invited speaker: "Preparing a Publishable Manuscript, Proceeding to Journal Article, Faculty** of Applied Sciences, Universiti Teknologi MARA (UiTM), Shah Alam **7th September 2021.**

3. **Plenary speaker: "International Conference on Environmental and Energy Materials (INCEEM), 29th -31st July 2021**, Sharda University, India.

4. **Invited speaker: "How to Review a Manuscript"** The Ethics and Publication Unit, Research Management Centre, UiTM Shah Aalm, 15th **July 2021.**

5. **Keynote speaker:** E-conference **"Second International Scientific Conference (SISC2021)"** at AL-Nahrain University College of Science, Presentation title "Progress on hybrid Chitosan-nanocomposite biomaterials for textile dyes removal, Baghdad – Iraq, **24 – 25 May 2021.**

6. **Invited speaker: "Let's Publish in Science Letters"**. Faculty of Applied Sciences, Universiti Teknologi MARA, Arau Campus, Perlis, **21st May 2021.**

7. **Invited speaker: E-Conference "Materials of the Future: Smart Applications in Science and Engineering"** at Qatar University, Presentation title "Progress on hybrid Chitosan-nanocomposite biomaterials for textile dyes removal" at first e-conference held between **29-31 March 2021.**

8. **Invited speaker: "AUTHOR PROFILES ON SCOPUS"** Live Webinar Sharing Session with Elsevier, UiTM Library, Perpustakaan Tun Abdul Razak (PTAR), Universiti Teknologi MARA (UiTM), Shah Alam, **10th February 2021.**

9. **Invited speaker: "Tips on Writing a Review Paper"** Live Webinar Session with postgraduate students and staff, Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia, **21st Novmber 2020**.

10. **Invited speaker:** "**Tips on Writing Publishable Manuscript**" Live Webinar Session, Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia, **14th August 2020**.

11. **Invited speaker:** "Skills of Writing Publishable High Impact Research Manuscript" Dewan Canselori Putra, Universiti Putra Malaysia, UPM, Kuala Lampur, Malaysia. **29th February 2020.**

12. **8. Invited speaker:** "Art of Writing and Reviewing High Impact Manuscript" Dewan Al-BIRUNI, Canselori Putra, Universiti Teknologi MARA, Pahang, Jengka Campus, Malaysia, **19th February 2020.**

13. **9. Invited speaker:** "Skills of Writing Publishable High Impact Research Manuscript" Dewan Kuliah Gama, Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia, **11th February 2020.**

14. **Invited speaker:** "Workshop on The art of Writing Publishable Research Manuscript and Choosing" The Right Journal" University of Baghdad, Chemistry Department, College of Sciences for Women, IRAQ, **25th February 2019.**

15. **Invited speaker:** "Workshop on Skills in Scientific Writing and Choosing Right Journal" University of Baghdad, College of Education for Pure Science, Ibn Al-Haitham, Baghdad, IRAQ, **20th February 2019.**

16. **Invited speaker:** "Workshop on converting Final Year Project (FYP) to publishable manuscript in Science Letters 2018. Faculty of Applied Sciences, UiTM, **18th December 2018.**

17. **Invited speaker:** "Final Year Project Report to Manuscript" Faculty of applied Sciences, Universiti Teknologi MARA. **7th May 2018.**

18. **Invited speaker:** "Hands-on technical writing workshop" organized by IRMI UiTM with LabAsia at PWTC, Kuala Lumpur. **10th October 2017.**

19. **Invited speaker:** Research colloquium "Environmental Science and Issues: Research and Potential Study in Universiti Malaysia Perlis (UniMAP)". Organized by Centre of Excellence for Advanced Sensor Technology (CEASTech), **30th April 2014.**

RESEARCH GRANTS/ FUNDINGS

To date, the value of total 13 secured research grants is approximately RM 1.4 million with total of RM181, 144 as Principal Investigator:

1. Upscaling and Testing of the Hybrid Photocatalysis and Electrocoagulation Tray System (PET) for Smart Cleaning Batik Wastewater. Source: PROTOTAIP Research Grant Scheme (PRGS), Ministry of Education, Malaysia (MOE)(PRGS/1/2021/STG04/UITM/02/1). 2nd August 2021 – 31st July 2023. Grant amount: **RM197,755. Role: Role: Co-Investigator, PI: Dr. Wan Izhan Nawawi Bin Wan Ismail.**

2. 'Hydrothermal Carbonization of Food Waste as a Source of Potential Solid Biofuel. **Source: International grant** (File No : 100-TNCPI/INT 16/6/2 (011/2020)). August 2020- June 2021. Grant amount: **RM 10,644**. **Role: Principal Investigator (PI).**

3. Nano-titania modified crosslinked chitosan-glyoxal composite for enhancing surface area and chemical stability. **Source:** Fundamental Research Grant Scheme (FRGS), Ministry of Education, Malaysia (MOE). (Ref: FRGS/1/2019/STG01/UITM/02/3) Grant amount: **RM 99,000**. Sep. 2019- August 2021. **Role: Principal Investigator (PI).**

4. Tuning hydrochar properties for enhanced mesopore development in activated carbon from Malaysian low rank coal by hydrothermal carbonization. **Source:** Institute of Research Management and Innovation, Universiti Teknologi MARA (600-IRMI 5/3/LESTARI (037/2019). Grant amount: **RM 30,000**. July 2019- June 2021. **Role: Principal Investigator (PI)**.

5. Mechanisms and models for oxygenated and porous Malaysian low-rank activated carbon. **Source**: Fundamental Research Grant Scheme (FRGS), Ministry of Education, Malaysia (MOE). (Ref: FRGS/1/2019/TK02/UITM/02/15). **Grant amount: RM96,200**. Sep. 2019- August 2021. **Role: Co-Investigator, PI: Dr. Siti Norasmah Surip.**

6. Assessing the efficiencies and stability of magnetic bentonite composite MBC in dye remediation towards a new understanding of its physico chemical transformation mechanism: 600-RMC/YTR/5/3 (006/2020). **Grant amount: RM 50,000.00**, Dec. 2020- Dec. 2022. Role: **Co-Investigator, PI: Dr. Ruhaida Binti Rusmin**

7. Effective Microbe for Biofertilizer, Source: Bellus Terra Sdn Bhd. **Grant amount: RM500,000** August 2017- August 2022. **Role: Co-Investigator, PI: Dr. Khairul Adzfa Radzun.**

8. Upscaling the production of Algal dried biomass as cream ingredient for "Way-Gy"- A low cost-healthy algal-Cheeses cream wafer. **Source**: Synergised industry-experimenter research grant initiative (Sinergi) 2019, Industry-experimenter research grant. **Grant amount: 35,000 RM,** May 2019- April 2020. **Role: Co-Investigator, PI: Dr. Khairul Adzfa Radzun.**

9. MEDIA ENHANCEMENT FOR BIOMASS AND SOIL-CROP VITALITY FUNCTIONS OF EFFECTIVE MICROBES (EM) VIA AUTOMATED MEDIA OPTIMIZATION SYSTEM. Source: Fundamental Research Grant Scheme (FRGS), Ministry of Education, Malaysia (MOE). **Grant amount: 106,000 RM**, January 2019- December 2021. **Role: Co-Investigator, PI: Dr. Khairul Adzfa Radzun. (Completed).**

10. Modification of carbohydrate polymers with nano martials for wastewater treatment. Source: University of Anbar, IRAQ, International Research Grant, **Grant amount: 10,000 RM,** August 2018- December 2018. **Role: Principal Investigator (PI) (Completed).**

11. Development of low-cost activated from biomass waste for removal of water pollutants: Al-Muthanna University, IRAQ, International Research Grant, **Grant amount: 11,500 RM**, August 2018- December 2018. **Role: Principal Investigator (PI) (Completed).**

12. Fabrication of an immobilized cross-linked chitosan-glyoxal film for adsorption of acid and reactive dyes: Institute of Research Management and Innovation, Universiti Teknologi MARA, Incentive Research Grant (Geran Insentif Penyeliaan, GIP), **Grant amount: 20,000 RM**, July 2017- June 2018. **Role: Principal Investigator (PI) (Completed).**

13. Coal and Biomass Energy Research Group: Institute of Research Management and Innovation, Universiti Teknologi MARA, 600-IRMI/DANA 5/3/REI (1/2017). **Grant amount: 32,000 RM**, March 2017- February 2019. **Role: Co-Investigator, PI: Dr. Wan Izhan Nawaawi Bin Wan Ismail. (Completed).**

14. Threshold level of microwave irradiation on carbonization and activation of rubber seed pericarp, Source: Fundamental Research Grant Scheme (FRGS), Ministry of Education, Malaysia (MOE). **Grant amount: 77,200 RM**, August 2016 – July 2018. **Role: Co-Investigator, PI: Asnida Yanti Ani. (Completed).**

15. Adsorption mechanism of the basic dye on the surface of chemically modified fallen coconut leaves, Institute of Research Management and Innovation, Universiti Teknologi MARA, **Grant amount: 80,000 RM**, December 2014 – November 2016. Role: **Co-Investigator, PI: Nur Nasulhah Kasim**.

16. Microwave assisted carbon, nitrogen modified TiO_2 photocatalyst using urea as precursor for enhanced photodegradation of organic pollutants Institute of Research Management and Innovation, Universiti Teknologi MARA, **Grant amount: 80,000 RM**, December 2014 – November 2016. **Role: Co-Investigator, PI: Dr. Wan Izhan Nawaawi Bin Wan Ismail.**

POSTGRADUATE SUPERVISION

No.	Student name & ID	Thesis Title	Program Level & Study mode	Role	Status
1.	Nur Shazwani Abdul Mubarak (2014411766)	Fabrication of Cross-Linked Chitosan/Nano TiO_2 Hybrid Composite Beads for Reactive Red 120 Dye Removal from Aqueous Solution	AS757-M.Sc. by research	SV	Completed
2.	Ramlah Abd Rashid (2014553567)	Preparation of activated carbon from coconut leaves via pyrolysis process by using KOH and H_3PO4 activators for removal of methylene blue.	AS757-M.Sc. by research	SV	Completed
3.	Siti Nurlia Ali (2010477554)	Liquefaction of Mukah Coal using tetralin-glycerol Mixed solvent system	AS990-Ph.D. by research	Co-SV	Completed
4.	Asrul Farrish O K R Udaiyappan (2016275854)	Application of Box Behnken Design for optimizing the COD reduction of real industrial water by using commercial activated carbon	EVT728- M.Sc. by coursework	SV	Completed
5.	Fatin Nor Irdina Ahmad Fauzi (2017875772)	Composite chitosan-Kronos TiO2 for removal of textile dye from aqueous environment: An optimized Process	EVT728- M.Sc. by coursework	SV	Completed
6.	Sirasit Meesiri	Development of porous activated carbon from lignite coal	Phayao University, Thailand	Advisor for two months	Completed
7.	Ahmad Saud Abdulhammed	Synthesis and characterization of cross-linked chitosan/Titania nanocomposite as sorbents and their applications for textile dyes removal.	International Ph.D. student from university of Anbar, IRAQ.	Co-SV	Completed
8.	Siti Solehah Ahmad Norrahma (2016949017)	Adsorption of acid and reactive dyes using glyoxal grafted crosslinked chitosan film.	AS757-M.Sc. by research	SV	Completed
9.	Nurul Najwa Binti Abd Malek (2018471742)	development of porous activated carbon via physicochemical activation from waste tyre for SO_2 adsorption	AS950 – Ph.D. (By Research)	SV	Ongoing
10.	Ibrahim Awad Mohammed (2019841708)	Synthesis of composite crosslinked chitosan-fly ash for textile dye removal	AS950 – Ph.D. (By Research)	SV	Ongoing

11.	Elmira Kashi	Synthesis of composite crosslinked chitosan-clay for textile dye removal	AS950 – Ph.D. (By Research)	SV	Ongoing
12.	Nurul Izzati Normi	Development of composite crosslinked chitosan-checken bone powder for textile dye removal	AS757-M.Sc. by research	SV	Ongoing
13.	Nur Shana Hidayah Ahmed Arshad	Conversion of low-rank Malaysian coal into mesoporous activated carbon	AS757-M.Sc. by research	SV	Ongoing
14.	Nur Farah Hanani Mamat (2016837044)	Comparative adsorption studies on reactive red 120 and metyhl orange on different cross-linked chitosan film coated on glass plate	AS757-M.Sc. by research	SV	Ongoing
15.	Reghioua Abdallah	Synthesis of Schiff base composite polymer for removal of dye pollutants from aqueous solutions.	International Ph.D. student from university of El-Oued, Algeria.	Co-SV	Completed
16.	Mahmod Abdulkarem Abdulqader (2018817758)	Hydrothermal carbonization of oliy sludge	Faculty of Chemical Engineering, UiTM	Co-SV	Ongoing
17.	Zahirah Mohd Zain (2019481872)	Crosslinked chitosan-glyoxal/algea composite for cationic dye removal.	AS728- M.Sc. by coursework	SV	Completed
18.	Kamaliah Rosli (2021526731)	Micro-algae modified crosslinked chitosan-EDGE for Methylene blue dye removal	AS728- M.Sc. by coursework	SV	Completed
19.	Kamaliah Rosli (2021526731)	Micro-algae modified crosslinked chitosan-EDGE for Methylene blue dye removal	AS950- Ph.D. by Research	SV	Ongoing
20.	Ahmed Thabit Abbas Ahmed (2021784967)	Synthesis of cross-linked chitosan/algae composite for textile dyes removal	AS758- M.Sc. by research	SV	Ongoing
21.	Khaizuran Fyrdaus Bin Azlan Zahari (2020886122)	Response surface methodology to optimize the textile dye removal by chitosan/cellulose composite	AS728- M.Sc. by coursework	SV	Ongoing

22.	Nur Nabilah Binti Nusri (2020429212)	TiO_2 functionalized with algae for removal of dyes	AS758- M.Sc. by research	Co-SV	Ongoing
23.	Saleh Ali Mohammed Saleh (2020352065)	Production of carbon adsorbent from petroleum sludge	AS950- Ph.D. by Research	Co-SV	Ongoing
24.	Hasan Mohammed Hamid Agha (2019520145)	Callus induction Thaumatococcus daniellii via automated media growth and optimization system (AMGOS)	EVT730- M.Sc. by Mixed mode	Co-SV	Ongoing

SUPERVISION OF FINAL YEAR PROJECT (FYP)

To date, a total of not less than 43 students have been supervised. Selected supervision:

1. Nur Shairah Binti Kamarulazam **(2021)**. conversion of mangosteen peels into activated carbon using microwave assisted-$ZnCl_2$.

2. Zaiful Syafiqa Erma binti Razali **(2021)**. Conversion of watermelon fruit peels into activated carbon using microwave assisted - K_2CO_3 activator.

3. Nurul Faiqah Binti Azhar **(2021)**. Activated carbon from mango peels by using microwave assisted-$ZnCl_2$.

4. Nur Aqilah Binti Abdul Karim **(2021)**. Production of activated carbon from pomegranate peels by using microwave assisted - K_2CO_3.

5. Lidiya Syahirah binti Mazlan **(2021)**. Activated carbon from oil palm fronds using K_2CO_3 with microwave pyrolysis.

6. Nur Atirah binti Shamsudin **(2021)**. preparation and characterization of oil palm fronds activated carbon prepared from phosphoric acid using microwave radiation.

7. Nur Wahida Binti Azizan **(2021)**. Biosorptive Removal of Methylene Blue from Wastewater Using Natural Biomass Waste: A Review.

8. Vivien Liana Anak Lekit Toi **(2021)**. Adsorption Of Methylene Blue by Using Biomass Activated Carbon: A Review.

9. Sharifah Alia Nadhirah Binti Syed Rosley **(2021).** Removal Of Dyes Using Clay.

10. Ebby Meirran Bin Sudarman **(2021)**. Dye Adsorption from Wastewater by Agricultural Peels: A Review.

11. Muhammad Alif Najmi Bin Radzi **(2021)**. Removal Of Dyes Using Modified Clay: A Review.

12. Ainatul Mardhiah Binti Arshad **(2021)**. Adsorption Of Methylene Blue by Using Agricultural Waste: A Review.

13. Muhammad Akmal Bin Abdul Rashid **(2020)**. Synthesis of composite magnetic cross-linked chitosan/nano MgO for remazol brilliant orange dye removal: Response surface methodology optimization.

14. Mohammad Shahafifi Bin Md Rohani **(2020)**. Preparation of composite magnetic cross-linked chitosan-ethylene glycol diglycidyl ether/nano TiO_2 for removal of remazol brilliant orange: Response surface methodology optimization.

15. Norhanum Binti Mohd Haidir **(2020)**. Development of magnetic crosslinked chitosan-Glutaraldehyde/nano MgO for removal of remazol brilliant orange: Response surface methodology optimization.

16. Nur Irsalina Binti Zulkeffli **(2020)**. Synthesis of magnetic cross-linked chitosan tripolyphosphate/nano MgO as sorbent for textile dye removal: Box–Behnken design optimization.

17. Nurul Atirah Binti Ibrahim **(2020)**. Fabrication of magnetic cross-linked chitosan-PVA/nano MgO as sorbent for textile dye removal: Behnken design optimization.

18. Farah Nasywa Binti Mohd Noor **(2020)**. Composite chitosan-ECH/clay for textile dye removal.

19. Mardhiatul Najwa Binti Md Ab Lazis **(2020)**. Composite chitosan-TPP/clay for textile dye removal.

20. Nur Amirah Binti Abdul Halim **(2020)**. Composite chitosan-Gly/clay for textile dye removal.

21. Nur Emyra Tasha Md Sahnon **(2019)**. Development of porous activated carbon from waste tires by potassium hydroxide activation for the removal of methylene blue from aqueous solution.

22. Muhammad Fadhil Ahmad **(2019)**. Development of porous activated carbon from bamboo chips by KOH activation for removal of methylene blue from aqueous solution.

23. Nik Maryam Nabila Shaifful Idris **(2019)**. Response surface methodology to optimize the methylene blue removal by waste tire activated carbon.

24. NurHasliza Abdullah **(2018).** Photocatalytic Degradation of Methylene Blue by Immobilized TiO_2: Optimization Process.

25. Hazieqa Mohd Termizi **(2018).** Fabrication of composite cross-linked chitosan/TiO2 Kronos beads for methyl orange removal: Optimization.

26. Nurul Zana Roshidi **(2018)**. Study of removal of Reactive Orange 16 via composite Kronos cross-linked chitosan glyoxal: An optimize process.

27. Nuranis Syafiqa Muhaini **(2018)**. Microwave-assisted preparation of mesoporous activated carbon from corn cob residue (Zea Mays) by H3PO4 activation for methylene blue adsorption.

28. Safirah Abdul Wahab **(2018)**. Simple approach for development of a porous Titanium dioxide immobilized film by photocatalysis.

29. Nur Farzana Muhamad Ismail **(2018)**. Photocatalytic decolorization of reactive orange 16 dye by an immobilized layer-by-layer system TiO_2/Chitosan-Glyoxal under fluorescent lamp: Optimization using response surface methodology (RSM).

30. Norhidayu Tolaha **(2017)**. Decolourization of thionine dyes by crosslinked chitosan-activated charcoal beads with epichlorohydrin.

31. Norhashimah Adnan **(2017)**. Adsorption of thioninedye by crosslinked chitosan/activated charcoal with glutaraldehyde beads.

32. Nur Diyana Kamaruddin **(2017)**. Adsorption of thionine dye solution by chitosan- activated charcoal composite beads.

33. Nurul Nabilah Rohani **(2016)**. Adsorption of methylene blue by crosslinked chitosan-zeolite beads.

34. Khairun Faizzah Mahmood **(2016).** Adsorption of malachite green dye from aqueous solution using crosslinked chitosan-TiO_2 composite beads.

35. Siti Suhana Ibrahim **(2016)**. Removal of reactive orange 16 dyes by using nanocomposite chitosan-titanium dioxide beads.

36. Nur Farzana Mohd Izani **(2016)**. Adsorption of malachite green dye from an aqueous solution using crosslinked chitosan-epichlorohydrin beads.

37. Farhani Mohamad Ismail **(2016)**. Preparation and characterization of activated carbon from corn cob to remove methylene blue from aqueous solution.

38. Fathiah Awanis Ibrahim **(2016)**. Adsorptive removal of reactive red 120 by cross-linked chitosan-zeolite beads.

39. Haszieyatul Affidah Hasnan **(2016)**. Optimization of methylene blue colour removal by using H_2SO_4 treated coal: application of Box-Behnken Design (BBD).

40. Sherra Bellina Barrabas **(2015)**. Adsorption removal of reactive red dye using cross-linked chitosan and composite cross-linked nano TiO2 beads: an optimized process.

41. Nur Syafiqah Ali **(2015)**. Development of cross-linked chitosan / TiO2 Kronos composite for reactive red 120 removal.

42. Noor Asliza Ismail Adnen **(2015)**. Preparation of chemically activated pomegranate peels for removal of methylene blue from aqueous solution.

43. Nurliyana Ismail **(2015)**. Methylene blue removal from commercial activated carbon.

EXAMINER FOR POSTGRADUATE THESES/PROPOSALS

1. **Internal Evaluator**, **Ph.D. Proposal (Ph.D. Fast-Track Proposal)** from from Faculty of Applied Sciences, Universiti Teknologi MARA, Perlis, Arau campus, Malaysia. Proposal title, "CHARACTERIZATION OF ACTIVATED CARBON DERIVED FROM LOCAL BAMBOO AND ITS EFFECTIVENESS IN WATER TREATMENT". **9 March 2021**.

2. **Internal examiner, M.Sc. Proposal (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. UiTM Kampus Sarawak, Proposal title, "CHARACTERIZATION OF ACTIVATED CARBON DERIVED FROM LOCAL BAMBOO AND ITS EFFECTIVENESS IN WATER TREATMENT". Student name: SITI SUHANA BINTI HASSAN, **24 February 2021**.

3. **Internal examiner, M.Sc. Proposal (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. UiTM Kampus Kuala Pilah - UiTM Negeri Sembilan, Proposal title, "POLYANILINE/CHITOSAN AND ITS APPLICATION AS ELECTROCHEMICAL SENSOR FOR PFOA AND PFOS". Student name: Nur Farahin Binti Suhaimi, **17 February 2021**.

4. **Internal examiner, M.Sc. thesis (Pre-Viva)** from Faculty of Applied Sciences, UniversitiTeknologi MARA, Malaysia. Thesis title, Modification of Biochar with Magnesium Compound for precipitation of struvite for Phosphorus Removal. Student name: NURUL FARIHA BINTI MOHD IDRUS, **15 February 2021**.

5. **Internal examiner**, M.Sc. **Proposal (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Perlis, Arau campus, Malaysia. The Preparation and Characterization of Immobilized Platinum and Nitrogen Doped Bismuth Tungstate ($Pt/N/Bi_2WO_6$) and Its Photocatalytic Activity Under Reactive Red 4 (RR4) Dye. Student name: Nur Syazana binti Nazeri, **25 January 2021.**

6. **Internal examiner**, M.Sc. **(Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Proposal title, UiTM Kampus Arau - UiTM Perlis, "Modification and characterization OF Pt, C, N Tri-doped TiO_2 visible light active photocatalyst for photodegredation of anionic and cationic dyes. **15 September 2020**.

7. **Internal examiner, M.Sc. Proposal (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. UiTM Kampus Kuala Pilah - UiTM Negeri Sembilan, Thesis title, "Synthesis and characterization of magnetic Kaolinite composite as heavy metal adsorbent". Izzan Salwana Izman. 17 **August 2020**.

8. **Internal examiner, M.Sc. thesis (Pre-Viva)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Thesis title, "*Synthesis, characterization and furbidity removal of polyacrylamide grafted egg white".* Candidate: Nor Fateha Azuan. **June 2020**.

9. **External examiner, M.Sc. thesis** from Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia, Malaysia. Thesis title, "Synthesis and characterization of amides and imidazole derivatives with their respective antimicrobial activities". Candidate: Hazim Saad Jabbar Al-Maliki**. April 2020**.

10. **External examiner, Ph.D. thesis** from Universiti Pendidikan Sultan Idris. Thesis title, "Thermomechanical, Thermal Properties and Structural Morphology of Modified Biodegradable Polymer Reinforced with Nanoparticle". Candidate: Alshuwaili Mohammed Zorah Hassan. **February 2020.**

11. **Internal examiner, Ph.D. thesis** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Thesis title, "Adsorption of Ce (III) and Nd (III) ions onto Monosodium glutamate functionalized chitosan, xanthated chitosan and xanthogented chitosan beads. Candidate: Noorul Farhana Md Ariff. **June 2019.**

12. **External examiner, M.Sc. thesis** from School of Distance Education, Universiti Sains Malaysia., Malaysia. Thesis title, "Graft copolymerization of chitosan by polyethyleneimine for the removal of acid red 88 dye". Candidate: Nuur Hidayah Binti Yusof. **May 2019**.

13. **Internal examiner, M.Sc. thesis (Pre-Viva)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Thesis title, "Development of mixed biomass activated carbon for flue gas adsorbent". **April 2018**.

14. **Internal examiner, M.Sc. thesis** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Thesis title, "Reactive red 4 sensitized immobilized TiO_2 photocatalyst for degradation of Methylene blue dye". Candidate: Faiza Bakar. **February 2018**.

15. **Internal examiner, M.Sc. thesis (Pre-Viva)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Thesis title, "Mixed biomass activated carbon as adsorbent for flue gas desulphurization". **February 2018.**

16. **Internal examiner, Ph.D. (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Proposal title, "Biosorption of Pb (II) and Methylene blue (MB) onto chemically modified spent grated coconut (Cocos Nucifera)". **September 2017.**

17. **Internal examiner, M.Sc. (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Proposal title, "Comparative adsorption of Pb(II) ions by using sulphuric acid and urea treated petai belalang (Leucaena leuchocephala) leaf powder". **March 2017**.

18. **Internal examiner, M.Sc. (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Proposal title, "Biodegradation of pharmaceuticals caffeine and carbazepine using bacteria". **February 2017**.

19. **Internal examiner, M.Sc. (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Proposal title, "Treatment of dye wastewater using activated carbon from agricultural waste, **November 2016**.

20. **Internal examiner, Ph.D. thesis (Pre-Viva)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Thesis title, "Production of alternative fuels in the coliquefaction processes with biomass and coal in Malaysia". **June 2016**.

21. Internal examiner, M.Sc. (**Defense research proposal**) from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Proposal title, "Treatment of dye wastewater using activated carbon from agricultural waste". **April 2016**.

22. **Internal examiner, M.Sc. (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Proposal title, "New Technique TiO_2 immobilized PVP/DAST towards degradation of Methyl Orange". **April 2016**.

23. **Internal examiner, M.Sc. (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Proposal title, "Effect of RR4 as sensitizer for enhances photocatalytic activity of immobilized TiO_2". **April 2016.**

24. **Internal examiner, M.Sc. thesis (Pre-Viva)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Thesis title, "A study on the synthesis of cerate-zirconate ceramic powder". **March 2016.**

25. **Internal examiner, M.Sc. (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Proposal title, "Modification and characterization of immobilised water base TiO_2/PEG using double sided adhesivetape (DSAT) method and its application under photodegradation of methylene blue (MB) dye". **October 2015.**

26. **Internal examiner, M.Sc. (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Proposal title, "Photocatalytic degradation of RR4 dye and its intermediates study under carbon and nitrogen modified TiO_2 photocatalyst". **January 2015**.

27. **Internal examiner, M.Sc. (Defense research proposal)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Proposal title, "Preparation of activated carbon from Silantek coals using microwave irradiation heating technique". **February 2014.**

28. **Internal examiner, M.Sc. thesis (Pre-Viva)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Thesis title, "Obtaining Alternative Fuels in The Coliquefaction Processes with Biomass and Coal in Malaysia". **June 2012.**

29. **Internal examiner, M.Sc. thesis (Pre-Viva)** from Faculty of Applied Sciences, Universiti Teknologi MARA, Malaysia. Thesis title, "Production of activated carbon from waste coconut shell via microwave irradiation carbonization system for super capacitor electrode". **June 2012.**

PANEL FOR ORAL PRESENTATION

1. Examiner/ Panel for Dissertation I of master by coursework students (EVT760). Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Shah Alam, 12th June 2018.

2. Regular Examiner/ Panel for final year proposal, Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia, 2012-to date.

APPOINTED AS AN EVALUATOR FOR RESEARCH PROPOSALS

1. Evaluator for eight (8) Fundamental Research Grant Scheme (FRGS), Research Management Centre, FRGS Phase 1/2021.

2. Fundamental Research Grant Scheme (FRGS), Faculty of Applied Sciences, Universiti Teknologi MARA, UiTM Shah Aalm, FRGS Phase 1/2021, February 2021.

3. Research Acculturation Grant Scheme (RAGS), Faculty of Applied Sciences, Universiti Teknologi MARA, UiTM Perlis, October 2012.

4. Fundamental Research Grant Scheme (FRGS), Faculty of Applied Sciences, Universiti Teknologi MARA, UiTM Shah Aalm, February 2018.

REVIEWER FOR INTERNATIONAL CONFERENCE

1. 4th International Conference on Science and Social Research (CSSR) 2017, 6-7 December 2017 at The Pines Melaka, Malaysia.

2. International Sciences, Technology and Engineering Conference (ISTEC 2016). Equatorial Hotel, Penang Malaysia, 20-23 April 2016.

5. 4th International Conference on Environmental Research and Technology (4th ICERT2015), School of Industrial Technology, University Science Malaysia (USM), Penang, Malaysia.

CONFERENCES ADVISORY BOARD/COMMITTEE MEMBER

1. Member of Scientific committee, International Conference on Applied Sciences & Industrial Technology for 2018 (ICASIT 2018). 13-15 November 2018. Swiss Garden Hotel, Melaka, MALAYSIA.

2. Member of the organizing committee, 2nd International Conference on Applied Sciences & Industrial Technology (ICASIT2018) 13 – 15th November 2018, Swiss Garden Hotel, Malacca, Malaysia.

3. Director of Scientific Division in the committee of the International Conference for Young Chemists (ICYC), Penang, Malaysia (2008).

POSTER JUDGE

1. The 29th Malaysian Analytical Chemistry Symposium (SKAM29) held in Penang, Malaysia, August 15-17, 2016.

2. The 30th Malaysian Analytical Chemistry Symposium (SKAM30) held in Melaka, Malaysia, August 26-29, 2017.

EVALUATOR FOR WORKING PAPERS

1. Evaluator of working paper of academic staff, Crystillinity, Tapping and Bulk Density of Microcrystalline Cellulose, Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia, October 2015.

2. Evaluator of working paper of academic staff, Bamboo leaf as a sustainable biosorbent for Cadmium (II) biosorption, Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia, September 2014.

CHAIRPERSON/PANEL FOR RESEARCH ACTIVITIES

1. Chairperson of parallel session, International Conference on Applied Sciences & Industrial Technology for 2018 (ICASIT 2018). 13-15 November 2018. Swiss Garden Hotel, Melaka, MALAYSIA.

2. Chairperson of Keynote speaker section and parallel session, Technology and Engineering Conference (ISTEC 2016). Equatorial Hotel, Penang Malaysia, 20-23 April 2016.

3. Chairperson for parallel session, 5th International Conference for Young Chemists (ICYC2015), School of Chemical Sciences, Universiti Sains Malaysia, 5th-7th August 2015 at Bayview Hotel, Georgetown, Penang.

4. Chairman, defense research proposal for M.Sc. level, Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia, 22nd February 2017.

5. Panel for research progress monitoring, Adsorption of methylene blue onto chemicals activated of merit kapit malaysian coal, Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia. February 2017.

6. Panel for final year proposal, Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia, 2012-todate.

7. Panel for final year thesis, Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia, 2012-todate.

PENAL FOR ORAL PRESENTATION

1. Examiner/ Panel for Dissertation I of master by coursework students (EVT760). Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Shah Alam, 12th June 2018.

2. Regular Examiner/ Panel for final year proposal, Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia, 2012-todate.

UNIVERSITY SERVICE

1. Member of Zero Wastage Group, Faculty of Applied Sciences, Uiniversiti Teknologi MARA, Malaysia, 6 April 2016.

2. Member of the committee for the professional lecturers of academic staff, Faculty of Applied Sciences, Universiti Teknologi MARA, 1st September 2016-31st August 2018.

3. Member of the committee for the Mobility of International Students (Program Mobiliti Pelajar Antrabangsa, Universitas Negeri Yogyakarta, Indonesia, 13 December 2016-20 December 2016.

4. Member of the committee for the program Karnival FSG, UiTM Perlis, June 2014.

5. Member of the promotion committee for the 2nd International Innovation, Design and Articulation (i-IDeA 2014), 16-19 September 2014, UiTM Perlis.

6. Moderator for postgraduates symposium 2012 (PGS2012), Bangunan Al-Razi, Universiti Teknologi MARA (Perlis), 23 June 2012.

CONTIBUTION TO SOCIETY

1. Participated in spreading the awareness for covid-19 face mask disposal instructions in **The Star Newspaper**, Page 6 Nation, Wednesday 8 July 2020.

2. Money donation for **Arsyad Ayub complex** (Sumbangan Dana Komplex Arsyad Ayab, RM 250 in June 2020.

INVENTION/INNOVATION AWARDS/MEDALS

1. Recipient of Gold Medal award (Co-investigator) for the invention: “RuSPAC-Low-Cost Good Quality Activated Carbon” Awarded by: Invention, Innovation & Design Exposition 2015, iidex2015, 27-30 April 2015, Dewan Agung Tuanku Canselor (DATC), Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia.

2. Recipient of Silver Medal award (Co-investigator) for the invention: “ARAU-CAT” A Novel Photocatalyst for Water Treatment. Awarded by: Invention, Innovation & Design Exposition 2015, iidex2015, 27-30 April 2015, Dewan Agung Tuanku Canselor (DATC), Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia.

ATTENDED WORKSHOPS

1. Workshop "Bengkel & Audit Jurnal UiTM" Research Management Centre (RMC), Universiti Teknologi MARA (UiTM) Shah Alam, 12th March 2020.

2. Workshop "Nanostructures & Nanomaterials- Understand Its Properties and Applications" Universiti Kebangsaan Malaysia, 30th January 2019.

3. Workshop "Bengkel Latihan Pengendalian MYJMS SESI 2/2018". Pusat Sitasi Malaysia, Bilik Latihan Al-Khazini 2, Kementerian Pendidikan Tinggi, 15th May 2018.

4. Editor's day with Elsevier (Editor's Day bersama Elsevier". Pusat Sitasi Malaysia, Akademi Kepimpinan Pendidikan Tinggi (AKEPT) Bandar Enstek, Negeri Sembilan, 15th March 2018.

5. Workshop "Characterization Porous Materials and Powder". Held at Interscince SDN BHD. 18th July 2017.

6. Workshop on Design of Experiment, 5-6th June 2015, USAINS, Universiti Sains Malaysia, Penang, Malaysia.

7. Advance course on SPSS statistical analysis, 6th August 2014, Universiti Teknologi MARA, Perlis, Malaysia.

8. QS world university rankings, 10th April 2014, Universiti Teknologi MARA, Perlis, Malaysia.

9. Postgraduate Supervision and Thesis Evaluation/ Innovation Expedition Series, 22nd April 2013, Universiti Teknologi MARA, Perlis, Malaysia.

10. Impedance Spectroscopy, 2-3 Ocober 2012, Universiti Teknologi MARA, Perlis, Malaysia.

11. Research interest group (RIG), 18-20 Sep. 2012, Universiti Teknologi MARA, Harverd Suasana Hotel, Sungai Petani, Kedah, Malaysia.

12. Fundamental Concept and Application of Liquid Crystals, 6-7 Feb. 2007, Universiti Sains Malaysia, Penang, Malaysia.

13. Chirality: Analysis and Emerging Issues, 23-24 Oct. 2007, Universiti Sains Malaysia, Penang, Malaysia.

VISITING SCHOLARS TO MY LAB

1. Dr. Noor Nazihah Bahrudin, Post-Doctoral Fellow, Universiti Putra Malaysia (UPM), February 2021.

2. Group of academic staff, Faculty of Technology, Al-Oued University, Algeria, January 2019.

3. Prof. Dr. Ahlam Mohammed Farhan, Chemistry Department, College of Sciences for Women, University of Baghdad, Iraq, November 2018.

4. Prof. Dr. Bassim H. Hameed, Department of Chemical Engineering, Universiti Sains Malaysia, January 2017.

5. Prof. Dr. Lee D. Wilson, Department of Chemistry, University of Saskatchewan, Canada, August 2015.

TEACHING EXPERIENCE

PG: Postgraduate; UG: Undergraduate

Course name/Code	Level	Number of times taught
Research Methodology (FSG710)	PG	6
Special Topic (EVT734)	PG	2
Water Pollution Control Technology (EVT712)	PG	3
Environmental Sampling and Analysis (EVT714)	PG	2
Environmental Spatial Modeling (EVT730)	PG	4
Hazardous Waste and Disposal (EVT677)	UG	3
Environmental Science (EVT 427)	UG	2
Wastewater Technology (EVT 577)	UG	1
Environmental Chemistry (CHM 576)	UG	8
Electrochemistry and Corrosion (CMT 555)	UG	6 (Class + Lab.)
Physical Chemistry (CHM 520)	UG	16 (Class+Lab.)
Organic Chemistry Lab. (CHM 556)	UG	3

Instrument and spectroscopy Lab. (CHM580)	UG	3
Water Resource Technology Lab. (EVT525)	UG	1
Analytical Chemistry	UG	13
Industrial Chemistry	UG	4

PUBLICATIONS OF CONFERENCES/PROCEEDINGS PAPERS

1. ***Ali H. Jawad***, Dina S. Ahmed, Azal U. Ahmed, Baneen Salam, Mustafa Abdallh, Muna Bufaroosha, Seenar Saad Hamed, Emad Yousif, Development of atenolol-tin complexes as PVC photostabilizers for outdoor applications, 2nd International Virtual Conference on Pure Science (2IVCPS 2021). ***Journal of Physics: Conference Series 1999 (2021) 012005***. ***(Scopus indexed)***.

2. Mohammed H. Al-Mashhadani, Hamsa Thamer, Hadeel Adil, Ahmed Ahmed, Dina S. Ahmed, Muna Bufaroosha, ***Ali H. Jawad***, Emad Yousif **(2021)**. Environmental and morphological behavior of polystyrene films containing Schiff base moiety, ***Materials Today Proceedings 42, 2693–2699.*** ***(Scopus indexed).***

3. Dina S. Ahmed, Farah M. Ibrahim, Muna Bufaroosha, Mohammed H. Al-Mashhadani, ***Ali H. Jawad***, Rahimi M. Yusop, Nadia Salih, Salam A. Mohammed, Emad Yousif **(2021)**. Polyphosphates as thermal stabilizers for poly(vinyl chloride), ***Materials Today: Proceedings, 42, 2680-2685***. ***(Scopus indexed).***

4. Zeyad Fadhil, Hadeel Adil, Raghda Alsayed, Mohammed H. Al-Mashhadani, Ali H. Jawad, Dina S. Ahmed, Emad Yousif **(2021)**. Poly(Vinyl Chloride) Containing Gynostemma Pentaphyllum as a Photostabilizer, ***Materials Science Forum, 1021, pp 251-259***. ***(Scopus indexed).***

5. Mohd Azlan Mohd Ishak, Siti Nur Ain Mohd Hassan, ***Ali H. Jawad***, Khudzir Ismail **(2019)**. Characterization of rubber seed shell and kernel (Hevea brasiliensis) as raw materials for coliquefaction with low rank coal. ***Annals of Chemical Science Research. 1, 1-5***.

6. S. A. M. Amran, K Ismail, A. B. Alias, S.S.A. Syed-Hassan, Ali H. Jawad **(2017)**. Preparation and Characterization of Single and Mixed Activated Carbons Derived from Coconut Shell and Palm Kernel Shell through Chemical Activation Using Microwave Irradiation System. ***Materials Science Forum, 889, 215-220. (Scopus indexed).***

7. M.A.M. Ishak, K. Ismail, W.I. Nawawi, ***Ali H. Jawad***, A.Y. Ani, Z. Zakaria **(2017)**. In-situ Transesterification of Jatropha curcas L. Seeds for Biodiesel Production using Supercritical Methanol. ***MATEC Web of Conferences, 97, 01082. (Scopus indexed)*.**

8. M.A.M. Ishak, K. Ismail, W.I. Nawawi, **Ali H. Jawad**, A.Y. Ani, Z. Zakaria, In-situ Transesterification of Jatropha curcas L. Seeds for Biodiesel Production using Supercritical Methanol. ***MATEC Web of Conferences 97 (2017) 1-6.***

9. S. A. M. Amran, K Ismail, A. B. Alias, S.S.A. Syed-Hassan**, Ali H. Jawad**, Preparation and Characterization of Single and Mixed Activated Carbons Derived from Coconut Shell and Palm Kernel Shell through Chemical Activation Using Microwave Irradiation System. ***Materials Science Forum 889 (2017) 215-220***.

10. M.F.M. Nawawi, M.A.M. Ishak, W.I. Nawawi, **Ali H. Jawad**, K. Ismail, S.N.A.M. Hassan, S.N. Ali, BOX–BENKHEN DESIGN (BBD) TOWARDS OPTIMIZATION ON COLIQUEFACTION OF MUKAH BALINGIAN SUB-BITUMINOUS MALAYSIAN COAL AND JATROPHA CURCAS SEEDS. ***Solid State Science and Technology 25 (2) (2017) 37-43.***

11. ***Ali H. Jawad****, Nur Shazwani Abdul Mubarak,W. I. Nawawi **(2016)**. Optimization of Sorption Parameters for Color Removal of Textile Dye by Cross-linked Chitosan Beads Using Box-Behnken Design, MATEC Web of Conferences, 47, 05009.

12. M A M Ishak, K Ismail, W Nawawi, ***Ali H. Jawad***, M F Abdullah, M N, Kasim, A Y Ani **(2016)**. Characteristics and Thermal Behaviour of Low Rank Malaysian Coals towards Liquefaction Performance via Thermogravimetric Analysis. ***Soft Soil Engineering International Conference, 136, 1-7. (Scopus indexed).***

13. M.S. Azami, W.I. Nawawi, M. A. M Ishak, K Ismail, Z Ahmad, ***Ali H. Jawad*** **(2016)**. Carbon Nitrogen Co-Doped P25: Parameter Study on Photodegradation of Reactive Red 4. ***MATEC Web of Conferences, 47, 05018. (Scopus indexed).***

14. M.S. Azami, W.I. Nawawi, M. A. M Ishak, K Ismail, Z Ahmad, **Ali H. Jawad**, Carbon Nitrogen Co-Doped P25: Parameter Study on Photodegradation of Reactive Red 4. ***MATEC Web of Conferences 5018 (47) (2016) 1-6***.

15. **Ali H. Jawad***, Nur Shazwani Abdul Mubarak, W. I. Nawawi, Optimization of sorption parameters for color removal of textile dye by cross-linked chitosan beads Using Box- Behnken Design. ***MATEC Web of Conferences 5009 (47) (2016) 1-6***.

16. Wan Izhan Nawawi, HKN Mahrouqi, MA Nawi, MAM Ishak, ***Ali H Jawad***, K Ismail **(2015)**. Carbon Coated TiO_2 and it Application on Photodegradation of 4-Chlorophenol under Solar Irradiation. ***Applied Mechanics and Materials, 754, 1202-1206. (Scopus indexed).***

17. M. A. M. Ishak, K. Ismail, W. Nawawi, **Ali H Jawad***, M F Kasim Abdullah, M N, Ani, Characteristics and Thermal Behaviour of Low Rank Malaysian Coals towards Liquefaction Performance via Thermogravimetric Analysis. ***Soft Soil Engineering International Conference 2015 (SEIC2015) 136 (1-7).***

CHAPTER IN BOOK

1. Mohd Azlan Mohd Ishak, Siti Nur Ain Mohd Hassan, Siti Nurlia Ali, Mohd Fauzi Abdullah, Asnida Yanti Ani, Nur Nasulhah Kasim, Ali H. Jawad, Wan Izhan Nawawi Wan Ismail, Khudzir Ismail (2015). Overview of Obtaining Alternative Fuels in The Co-liquefaction Processes with Biomass and Coal in Malaysia. Biofuels - Status and Perspective, InTech. http://dx.doi.org/10.5772/59362.

PUBLICATIONS IN INTERNATIONAL & PEER-REVIEWED JOURNALS

1. **Ali H. Jawad***, Uttam Kumar Sahu, Nur Aimi Jani, Zeid A. ALOthman, Lee D. Wilson, Magnetic crosslinked chitosan-tripolyphosphate/MgO/Fe_3O_4 nanocomposite for reactive blue 19 dye removal: Optimization using desirability function approach. ***Surfaces and Interfaces 28 (2022) 101698.*** **(Elsevier; ISI; Q1; IF: 4.837).**

2. **Ali H. Jawad***, Uttam Kumar Sahu, Mohd Sufri Mastuli, Zeid A. ALOthman, Lee D. Wilson, Multivariable optimization with desirability function for carbon porosity and methylene blue adsorption by watermelon rind activated carbon prepared by microwave assisted H_3PO_4. **Biomass Conversion and Biorefinery** https://doi.org/10.1007/s13399-022-02423-2. **(Springer, ISI; Q2; IF: 4.987)**.

3. **Ali H. Jawad***, Ahmed Saud Abdulhameed, Elmira Kashi, Zaher Mundher Yaseen, Zeid A. ALOthman, Mohammad Rizwan Khan, Cross-Linked Chitosan-Glyoxal/Kaolin Clay Composite: Parametric Optimization for Color Removal and COD Reduction of Remazol Brilliant Blue R Dye. ***Journal of Polymers and the Environment (2022) 30:164–178.*** **(Springer, ISI; Q2; IF: 3.667)**.

4. Suraj Kumar Bhagat, Tiyasha Tiyasha, Adarsh Kumar, Tabarak Malik, **Ali H. Jawad**, Khaled Mohamed Khedher, Ravinesh C. Deo, Zaher Mundher Yaseen, Integrative artificial intelligence models for Australian coastal sediment lead prediction: An investigation of in-situ measurements and meteorological parameters effects. ***Journal of Environmental Management 309 (2022) 114711.*** **(Elsevier; ISI; Q1; IF: 6.789)**.

5. R. M. Omer, E. T. B. Al-Tikrity, R. N. Abed, M. Kadhom, **Ali H. Jawad**, E. Yousif, Electrical Conductivity and Surface Morphology of PVB Films Doped with Different Nanoparticles, Progress in Color, Colorants and Coatings 15 (2022), 191-202.

6. Nurul Najwa Abd Malek, **Ali H. Jawad***, Khudzir Ismail, R. Razuan, Zeid A. ALOthman, Fly ash modified magnetic chitosan-polyvinyl alcohol blend for reactive orange 16 dye removal: Adsorption parametric optimization. ***International Journal of Biological Macromolecules 189 (2021) 464–476***. **(Elsevier; ISI; Q1; IF: 6.953).**

7. S. Subramaniam, K.Y. Foo, E.N. Md Yusof, **Ali H. Jawad**, L.D. Wilson, S. Sabar, Hydrothermal synthesis of phosphorylated chitosan and its adsorption performance towards Acid Red 88 dye, ***International Journal of Biological Macromolecules 193 (2021) 1716–1726***. **(Elsevier; ISI; Q1; IF: 6.953).**

8. Mehdi Jamei, Iman Ahmadianfar, Masoud Karbasi, **Ali H. Jawad**, Aitazaz A. Farooque, Zaher Mundher Yaseen, The assessment of emerging data-intelligence technologies for modelling Mg^{+2} and $SO4^{-2}$ surface water quality, ***Journal of Environmental Management 300 (2021) 113774.*** **(Elsevier; ISI; Q1; IF: 6.789)**.

9. **Ali H. Jawad***, Ahmed Saud Abdulhameed, M. A. K. M. Hanafiah, Zeid A. ALOthman, Mohammad Rizwan Khan, S. N. Surip, Numerical desirability function for adsorption of methylene blue dye by sulfonated pomegranate peel biochar: Modeling, kinetic, isotherm, thermodynamic, and mechanism study, ***Korean Journal of Chemical Engineering 38 (7) (2021) 1499-1509.*** **(Springer, ISI; Q2; IF: 3.667).**

10. S. Rangabhashiyam, K. Vijayaraghavan, **Ali H. Jawad**, Pardeep Singh, Pardeep Singh, Sustainable approach of batch and continuous biosorptive systems for praseodymium and thulium ions removal in mono and binary aqueous solutions, ***Environmental Technology & Innovation 23 (2021) 101581***. **(Elsevier; ISI; Q1; IF: 5.263)**.

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