

Languages

- Arabic: Native language
- English: Very good in speaking, listening, reading and writing

Techniques and skills

- Gas chromatography-Mass spectrometry (GC-MS)
- Gas chromatography-Flame ionization detector (GC-FID)
- Thermal graphometry analysis (TGA)
- Fourier transformation infrared detector (FT-IR)
- Proton Nuclear Magnetic Resonance (H-NMR)
- CHEM Discover microwave synthesis system
- UV-Vis spectroscopy
- Proficiency with ChemDraw, SciFinder and Microsoft Office
- Experience with experimental design

Certifications

- Intel (160 hours) issued on May 2008 from Ministry of Education, Jordan
- International Computer Driving License (ICDL) issued on February 18, 2005, from Ministry of Education, Jordan
- Effective communication skills (12 hours) issued on December 18, 2018, from All Jordan Youth Commission, Jordan
- Leadership skills (12 hours) issued on December 18, 2018, from All Jordan Youth Commission, Jordan

الدورات التي تمت المشاركة فيها في مركز الجودة والتطوير (دائرة التطوير الأكاديمي) في جامعة ال البيت:

- 1- الانترنت ووسائل الاتصال والتعليم عن بعد (Online Teaching) التاريخ: 19-7-2020
- 2- اختبارات التحصيل الجامعية الالكترونية من خلال منصة (Zoom) التاريخ: 13-8-2020
- 3- أساليب التدريس الجامعي الفعاله, التاريخ: 2020-12-12
- 4- اعداد الاختبارات وتقويم تعلم الطلبة, التاريخ: 2020-12-13
- 5- اخلاقيات التعليم الجامعي والبحث العلمي, التاريخ: 2020-12-14
- 6- قوانين وأنظمة وتعليمات الجامعة, التاريخ: 2020-12-15
- 7- تطوير مهارات التعلم الالكتروني المتميز وغير المتميز وتطبيقاته المساندة لعملية التعلم 2021-7-11 الى 2021-7-15

2021 م.

Publications

- 1) **Ahmad Al Shra'ah**, Evaluation of Chitosan Modified by Sodium Dodecyl Sulfate for Removing Hexavalent Chromium from Aqueous Solutions, *Jordan Journal of Chemistry*, 2020, 1, 1-10
<https://jjc.yu.edu.jo/index.php/jjc/article/view/172/142>
- 2) Eid Alsbou, Mohammed A. Zaitoun, Ali M. Alasoufi, **Ahmad Al Shra'ah**, Concentration and Source Assessment of Polycyclic Aromatic Hydrocarbons in the Street Soil of Ma'an City, Jordan, *Archives of Environmental Contamination and Toxicology* 2019, 77, 619–630.
<https://link.springer.com/article/10.1007/s00244-019-00665-2>
- 3) **Ahmad Al Shra'ah**, Paris E. Georghiou, Robert Helluer, Stephanie L. MacQuarrie, Yuming Zhao and Martin Mkandawire, Optimizing reductive degradation of PAHs using anhydrous ethanol with magnesium catalyzed by glacial acetic acid, *ACS Omega* 2018, 3, 3554–3561.
<https://pubs.acs.org/doi/pdf/10.1021/acsomega.8b00247>
- 4) **Ahmad Al Shra'ah** and Robert Helleur, Microwave pyrolysis of cellulose at low temperature *Journal of Analytical and Applied Pyrolysis*, 2014, 105, 91-99.
<http://www.sciencedirect.com/science/article/pii/S0165237013002209>
- 5) Erwin L. Zodrow, José A. D'Angeloab, **Ahmad Al Shra'ah**, Morphology and histochemistry of coalified *Trigonocarpus grandis* (Sydney Coalfield, Canada): Implications for the preservation, chemotaxonomy, and evolution of Carboniferous medullosalean ovules, *International Journal of Coal Geology*, 2014, 122, 61-75.
<http://www.sciencedirect.com/science/article/pii/S0166516213002759>
- 6) Hutaf M. Baker, Raed Ghanem, **Ahmad Al Shra'ah**, Determination of phenol in wastewater by using low cost modified Jordanian natural zeolite: Column and batch experiment, *Eurasian Journal of Analytical chemistry*, 2012, 7, 134-149.
<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.927.4115&rep=rep1&type=pdf>

Conferences

- Degradation Studies of Coal tar PAHs using Mg/EtOH System and Fenton Oxidation, ChemCon 2017, Poster presentation, St. John's, NL, Canada, May 4-6, 2017. (Award).
<https://scienceatlantic.ca/committees/chemistry/chemconwinners2017/>
- Targeted Degradation of Polycyclic Aromatic Hydrocarbons: A Potential Strategy for Coal Tar Remediation, Persistent and Emerging of Organic Pollution in Cold and Coastal Environments, Oral presentation, St. John's, NL, Canada, October 16-17, 2017.
- Microwave-assisted Pyrolysis of Polycyclic Aromatic Hydrocarbons, SOCCER 2015 conference, Oral presentation, St. John's, NL, Canada, August 13-14, 2015.
- Low temperature Microwave Pyrolysis of Lignocellulosic Materials, Oral presentation, 96h Canadian Chemistry Conference, Quebec City, QC, Canada, May 26-30, 2013.
<http://abstracts.csc2013.ca/00002162.htm>

Available reviewer of the following international scientific journals:

- Journal of Hazardous Materials
- Chemosphere
- Journal of Analytical and Applied Pyrolysis
- Science of the Total Environment

References

- Prof. Yuming Zhao
Memorial University of Newfoundland
St. John's, NL A1B 3X7, Canada
Email: yuming@mun.ca
- Prof. Paris E. Georghiou
Memorial University of Newfoundland
St. John's, NL A1B 3X7, Canada
Email: parisg@mun.ca
- Dr. Martin Mkandawire, Department of Chemistry, Cape Breton University, 1250 Grand Lake Road, Sydney, Nova Scotia, B1P 6L2, Canada, Email: martin_mkandawire@cbu.ca
- Prof. Robert J. Helleur
Memorial University of Newfoundland
St. John's, NL A1B 3X7, Canada
Email: rhelleur@mun.ca
- Dr. Stephanie MacQuarrie
Department of Chemistry, Cape Breton University, 1250 Grand Lake Road, Sydney, Nova Scotia, B1P 6L2, Canada
Email: stephanie_macquarrie@cbu.ca