**Curriculum Vitae**

**Eid Musa Eid Alsbou**

Your Photo

June 2021

**Personal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Place of Birth*** | Jordan |
| ***Date of Birth*** | 1981 |
| ***Marital Status*** | Married |
| ***Nationality*** | Jordanian |
| ***Work Address*** | Department of Chemistry, College of Science, Al-Hussein Bin Talal University, Ma′an, Jordan. Phone: +962-3-2179000 Ext.:6338, E-mail: [ealsbou@ahu.edu.jo](mailto:ealsbou@ahu.edu.jo), [ema785@mun.ca](mailto:ema785@mun.ca) |
| ***Academic Rank (date)*** | Assistant Professor (2015) |
| ***Permanent Address*** | Chemistry department, Al-Hussein Bin Talal university, 71111 Ma’an, Jordan. |

**Academic Qualifications \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 2010 - 2014 | **Ph.D.,** Analytical Chemistry, Memorial university of Newfoundland, St. John’s, Canada |
| 2003 - 2007 | **M.Sc.,**  Analytical Chemistry, Mut’ah University, Al Karak, Jordan |
| 1999 - 2003 | **B.Sc.,**  Chemistry, Mut’ah University, Al Karak, Jordan |

**Specialty \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***General Specialization:*** | Chemistry |
| ***Specialization :*** | Analytical Chemistry |

**Career History \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| August 2015 -Present | **Assistant Professor,** Department of Chemistry**,** College of Science**,** Al-Hussein Bin Talal University, Ma'an, Jordan. |
| February, 2006- December, 2009 | **Chemistry Laboratory Supervisor**, Department of Chemistry**,** College of Science**,** Al-Hussein Bin Talal University, Ma'an, Jordan |
| September 2003 - January, 2006 | **Science Teacher**, The Ministry of Education, Ma’an-Jordan |

**Administrative Experience \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Positions*** | |
| December, 2018 –December 2020 | **Vice dean of Scientific research and graduate studies**, Al-Hussein Bin Talal University, Ma'an, Jordan |
| November, 2014 –September 2015 | Associate dean for Administrative Affairs, Al-Hussein Bin Talal University, Ma'an, Jordan |

**HONORS, SCHOLARSHIPS, AWARDS AND GRANTS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| 2007 | **Shield of Excellence**  Mu’tah University, JORDAN |
| 2007 | **Certificate of scientific excellence**  All Jordan youth commission, JORDAN |
| 2010 | **PhD Fellowship, January 2010 to December 2013.**  Al-Hussein Bin Talal University, JORDAN |
| 2013 | **Highly Qualified Professionals (HQP) Travel Awards**  BioFuelNet 2013, Canada |

**Professional memberships and Services \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Membership(s)*** |
| * BioFuelNet (Canada), 2012-now. * Canadian Society for Chemistry (CSC), 2010-now. * Jordanian Chemical Society (JCS), 2006-now. |

**Research Interest \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| * Bio-fuel (Bio-oil, Bio-diesel) and biochar production and characterization. * Stability, upgrading and fractionation of bio-oils. * Environmental pollution studies for Air, water and soil. |

**Publications \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Peer-reviewed journal articles*** |
| * Mohammad S Al‐Hwaiti, **Eid M Alsbou**, Ghassan Abu Sheikha, Boulanouar Bakchiche, Thu Huong Pham, Raymond H Thomas, Sanaa K Bardaweel., Evaluation of the anticancer activity and fatty acids composition of “Handal” (Citrullus colocynthis L.) seed oil, a desert plant from south Jordan. *Food Science & Nutrition*, **2018**, *9(1),* pp 48-61. * Mohammad S Al‐Hwaiti, **Eid M Alsbou**, Rawan M Al Haddad, Ahmed I Osman, Ahmed Abu Jrai, H Ala’a, Ahmad O Hasan, Kevin Morgan, El-Sayed M El-Sayed, Ahmed S Al-Fatesh, Anis H Fakeeha, David W Rooney, Hani A Al-Rawashdeh., Spatio-temporal analyses of extracted citrullus colocynthis seeds (Handal seed oil) as biofuel in internal combustion engine. *Renewable Energy*, **2020**, *166,* pp 234-244. * **Alsbou, E**., & Omari, K., BTEX Indoor Air Characteristic Values in Rural Area of Jordan: Heaters and Health Risk Assessment Consequences in Winter Season. *Environmental Pollution*, **2020**, 267, page 115464. * **Alsbou, E**., Zaitoun, M.A., Alasoufi, A.M. & Al Shra'ah A., Concentration and Source Assessment of Polycyclic Aromatic Hydrocarbons in the Street Soil of Ma'an City, Jordan. *Archives of Environmental Contamination and Toxicology*, **2019**. <https://doi.org/10.1007/s00244-019-00665-2> * **Alsbou, E**., & Al-Khashman, O.A. Contamination of Roadside Soil and Street Dusts with Heavy Metals in Petra Region, Jordan, *Environmental Monitoring and Assessment*, **2018**, *190*, pp 48-61. * Alnaimat, S. and Shattal, S.A. and Althunibat, O. and **Alsbou, E**. and Amasha, R. Iron (II) and other heavy-metal tolerance in bacteria isolated from rock varnish in the arid region of Al-Jafer Basin, Jordan, *Biodiversitas*, **2017**, *18 (3)*, pp 1250-1257 * **Alsbou, E**., & Helleur, B. Accelerated Aging of Bio-oil from Fast Pyrolysis of Hardwood Feedstock, *Energy Fuels*, **2014**, *28 (5)*, pp 3224–3235 * **Alsbou, E**., & Helleur, B. Direct infusion mass spectrometric analysis of bio-oil using ESI-ion-trap MS. *Energy & Fuels*, **2014**, 28 (1), 578–590. * **Alsbou, E**., & Helleur, R. Whole sample analysis of bio-oils and thermal cracking fractions by py-GC/MS and TLC-FID. *Journal of Analytical and Applied Pyrolysis*, **2013**, *101*, 222-231. |

**Conferences And Proceedings \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| * TCS 2010 Symposium on Thermal and Catalytic Sciences for Biofuels and Biobased Products, September 21 - 23, Iowa, IL, USA “poster: Characterizing the Composition of Biomass Pyrolysis Oil based on Chemical Groups. Rapid profiling using TLC-FID” * tcBiomass 2011 Conference, September 27-30. Chicago, IL, USA “poster: Whole sample Analysis of Bio-Oil by TLC-Flame Ionization Detector”. * CSC 2012 Conference, May 26-31. Calgary, AB, Canada “Characterization of Complex Bio-oil Samples by Various Mass Spectrometric Techniques”. * Memorial's Student Leadership Conference (MSLC) 2013, January 26, Memorial University of Newfoundland, St. John’s, NL, Canada. * BioFuelNet-AGM2013 Conference, July 20-21. Montreal, QC, Canada “Quality of Newfoundland Forest/Mill Residues: Compositional and Physical Changes and Resulting Bio-oil and Biochar”. * tcBiomass 2013 Conference, September 03-06. Chicago. IL, USA “Direct Mass Spectrometric analysis of forest residue bio-oil: ESI-ionTrap MS”. * BioFuelNet-East platform Student Webinar 2013, November 01, Canada. “Birch wood bio-oil: production and aging”. * ChemCon 2013 Conference, May 2013, Memorial University of Newfoundland, St. John’s, NL, Canada. * Non-research seminar 2013, February 13, Memorial University of Newfoundland, St. John’s, NL, Canada. “Advanced Mass Spectrometric Methods in Petroleum Analysis”. |

**Teaching\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| * General Chemistry I (Chem 101), AHU-Jordan * General Chemistry I (Chem 101), AHU-Jordan * General Chemistry lab. 1 (Chem 103), AHU-Jordan * General Chemistry lab. 2 (Chem 104), AHU-Jordan * Analytical Chemistry I (Chem 211), AHU-Jordan * Analytical Chemistry lab. (Chem 212), AHU-Jordan * Instrumental Analysis Methods I (Chem 311), AHU-Jordan * Instrumental Analysis Methods Lab. (Chem 313), AHU-Jordan * Analytical Chemistry II (Chem 411), AHU-Jordan * Environmental Chemistry (Chem 413), AHU-Jordan |

**Skills\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| ***Languages*** |
| * Arabic (native) |
| * English (excellent) |

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| ***Computer Programs*** |
| * SPSS-15 |