

Curriculum Vitae

Ayat Bozeya

Material Science and Nanotechnology Lab supervisor
Hamdi Mango Center for Scientific Research (HMCSR) At University of Jordan,
Amman Jordan

Contact Information:

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Academic qualification:

- University of Jordan, Amman, Jordan M.S in Chemistry *May 2008*
GPA: 3.68 / 4.00 (Excellent)
- University of Jordan, Amman, Jordan. BS in Chemistry *June 2001*
GPA: 3.16 / 4.00 (Very Good)

M.S Research :

Thesis Title: Method Development for Analysis of Linear and Branched Alkyl Benzene Sulfonates and Comparison of their Phase Behavior in Water and Oil Ternary Systems

Experience summary:

- HMCSR, University of Jordan, Amman, Jordan, Researcher, Sep. 2013-present
- HMCSR, University of Jordan, Amman, Jordan, Lab Supervisor, July 2009- Sep. 2013
- University of Jordan, Amman, Jordan, Research assistant, June 2008- June 2009
- University of Jordan, Amman, Jordan, Graduate Teaching & Research Assistant, Feb. 2005 – May 2007
- Governmental Schools, Zarqa, Jordan, Chemistry Teacher (part time) April – June 2005 and Sep. – Dec. 2004
- Baraem Um Almoamenin School (Private School), Zarqa, Jordan, Teacher for Science and Math, August 2003- June 2004
- University of Jordan, Amman, Jordan, Research assistant, March – June 2003

- Alshomoo Private School, United Arab Emirates, Abu Dhabi, Science Teacher (American Syllabus) August – September. 2002
- University of Jordan, Amman, Jordan, Research assistant, Oct. – Dec. 2001

Participation in conferences:

- "Surfactant Enhanced Olive Oil Mill Wastewater Remediation" Water in the Arab world, status, Challenges and opportunities (WAWCO 2014), Amman Jordan Feb 2014
- "Method Development for Analysis of Linear and Branched Alkyl Benzene Sulfonates and Comparison of their Phase Behavior in Water and Oil Ternary systems" International conference of young chemists (ICYC 2012), April 2012, The University of Jordan, Amman, Jordan
- "Method Development for Analysis of Linear and Branched Alkyl Benzene Sulfonates and Comparison of their Phase Behavior in Water and Oil Ternary systems" 9th Jordanian Chemical Conference, Hashemite University, JORDAN, April 2009 (presentation)
- "Surfactant Enhanced Polluted and Waste Water Remediation" 6th Jordanian International Conference of Chemistry, Yarmouk University, Irbid, Jordan , April 2011 (poster)

Attending Conferences & Workshop:

- Horizon 2020 Opportunities for Jordanian Organizations Involved in Botanical or Agriculture Research, Amman International Hotel, Amman, Jordan, Jan, 2014
- JOCHERA Final Conference, Hamdi Mango Center for Scientific Research, Amman, Jordan, Nov., 2013
- Metrology in Chemistry- Implementing the Technical Requirements of ISO/IEC 17024, Hamdi Mango Center for Scientific Research, Sep., 2013
- IPR and Technology Transfer Training and One to One Sessions, Hamdi Mango Center for Scientific Research, Amman, Jordan, June, 2013
- JOCHERA Study Tour, Middle East Technical University, Ankara, Turkey, March, 2013-04-29
- The Seventh World Archaeological Congress, The Dead Sea, Jordan, January, 2013
- JOCHERA Study tour, Politecnico di Torino University, Turin, Italy, November, 2012
- International Conference on Mediterranean Countries and EU Opportunities in Research, Development and Innovation, Oct.,2012

- Jordan's Cultural Heritage Symposium, HMCSR/ UJ, Amman, Jordan. June, 2012
- FP7 Capacity Building Workshop and One to one sessions, Hamdi Mango Center for Scientific Research, Amman, Jordan, June, 2013
- Integrating Jordan into the European Research Area (IJERA) project ENVIRONMENT workshop, the Higher Council for Science and Technology, June, 2012
- Geopolymers from Jordanian raw materials workshop, Amman, Jordan April 2012
- Second phase of Capacity Building project Workshops (Building database on national regional and international funding agencies, Proposal preparation and writing, Project financial management, and Project administrative principles: procurement of equipment, staffing and subcontracting), the Higher Council for Science and Technology, Sep. – Oct., 2011
- Ultra Pressure HPLC, Amman, Jordan, Oct. 2011
- Administrative and financial Workshop, the Higher Council for Science and Technology, June, 2011
- WIPO National workshop on patent drafting, The World Intellectual Property Organization (WIPO) in cooperation with The Jordanian Association of Pharmaceutical Manufactures (JAPM) and El Hassan Business Park, Amman, Jordan, November 2010.
- 11th Eurasia Conference on Chemical Sciences, Dead sea, Jordan Oct 2010
- 10th Jordanian Chemical Conference, Jordan University of Science and Technology Irbid, Jordan, May 2010
- Training Course " FP7 week " presented by Irine Larroy organized by SRTD at HCST , Amman, May 2010
- The Technology Transfer Conference: Accelerating the Knowledge Economy through the Commercialization of R&D, iPARK/ the Higher Council for Science and Technology in collaboration with the US Patenting and Trademark Office (USPTO), Royal Scientific Society, EL Hassan Science City, Amman, Jordan, Oct. 2009
- 7th Jordanian Chemical Conference, Al al-Bayt University, Jordan, March 2007
- 8th Jordanian Chemical Conference, Petra University, Amman Jordan, April 2008

- Scientific day of Chemistry and Art, JUST University Jordan May 2007
- 5th Jordanian Chemical Conference, University of Jordan, Amman, Jordan, Oct. 2004

Participation in Research Projects

1. The First Stage of the proposed study and research for Dead Sea pre final product modification, Arab Potash Company, Jordan, 2013-2015
2. Production of Polymeric Nanocomposite Membranes for wastewater treatment, 2012-Present
3. Jordan Conservation of Cultural Heritage in ERA, 2011-2013
4. Spontaneous Emulsification of the System Water Ethanol and Benzene, 2012
5. Three-Phase Surfactant-Less Emulsion, 2011
6. Surfactant Enhanced Remediation of polluted and wastewater, 2010
7. Geranyl Acetate Emulsion Equilibrium and Inversion, 2009

Technical Publications:

1. Al Bawab A., **Bozeya A.**, Odeh F., Effect of Surfactant Tail Structure on Phase Behavior of Branched and Linear Alkylbenzene Sulfonate in Water and Oil Ternary Systems, GSTF International **Journal of Chemical Sciences (JChem)**, 2014, 1(2), 32-39
2. Al Bawab A., Odeh F Na'es M., Al Ashqar H., **Bozeya A.**, Hamati H., Sharar M., Abdallah R., 2013, Conservation Materials and Archaeometry Techniques in Jordan (2000 – 2012): A Review, **9th International Symposium on the Conservation of Monuments in the Mediterranean Basin**. Improvements in Conservation and Rehabilitation, Integrated Methodologies, Ankara, Turkey 2014
3. Hamati H, Al Bawab A., Odeh F., **Bozeya A** Abdallah R.,Preparation of Different Dispersions Formulation for Consolidation of Jordanian Basaltic Artifact, **Journal of Archaeological Science**, Submitted 2014
4. Odeh F. , Al Bawab A. Fayyad M., **Bozeya A.**, 2013, Surfactant Enhanced Olive Oil Mill Wastewater Remediation, **International Conference on Environmental Science and Development – ICESD, APCBEE Procedia**
5. Bozeya A. , Al-Bawab A., Friberg S. E., Ge L., Guo R., 2013, Some Experiments on Complex Spontaneous Emulsification in the System Water-Benzene-Ethanol, **Colloid and Polymer Science**, DOI 10.1007/s00396-013-2932-y.
6. **Bozeya A.** , Al-Bawab A., Friberg S. E., Ge L., Guo R., **2013**, Spontaneous Emulsification Between Incompatible Aqueous Solutions in the

Water/Ethanol/Benzene System, **Journal of Colloid and Interface Science**,
<http://dx.doi.org/10.1016/j.jcis.2012.12.030>

7. Al-Bawab A., **Bozeya A.** Friberg S. E., Ge L., Guo R., **2013**, Spontaneous Emulsification in the System Water/Benzene/Ethanol: Phase Equilibria and Emulsification Mechanism, **Colloid and Surfaces; A,418, 1-6.**
8. Al Bawab A., Abdallah R., **Bozeya A.**, Odeh F., Al Ashqar H., 2012, Jordan Conservation of Cultural Heritage in ERA, **Progress in Cultural Heritage Preservation-EUROMED 2012, 295-300**
9. **Bozeya A.** , Al-Bawab A., Friberg S. E., Miller C. A., **2012**, Spontaneous Emulsification and Phase Equilibria in the System Water, Ethanol and Benzene, **J. Disp. Sci. Tech.**, <http://dx.doi.org/10.1080/01932691.2012.743363>
10. Al-Bawab A., **Bozeya A.**, Hasinovic H., and Friberg S. E., **2012**, Three-Phase Surfactant-less Emulsions, *Arabian Journal of Chemistry*, doi:10.1016/j.arabjc.2011.10.005
11. **Bozeya A.** , Al-Bawab A., Friberg S. E., Guo R., **2011**, Equilibration in a Geranyl Acetate Emulsion, **Colloid & surfaces; A, 373 (1-3), 110-115**
12. Al-Bawab A., **Bozeya A.**, Friberg S. E., Aikens, P. A., **2010**, Geranyl Acetate Emulsions; Surfactant Association Structures and Stability, **J. Disp. Sci. Tech., 31(5), 606-610**
13. Friberg S. E., Al-Bawab A., **Bozeya A.**, Aikens, P. A., **2009**, Geranyl Acetate Emulsions; Surfactant Association Structures and Emulsion Inversion, **J. Colloid Interfac. Sci., 336 (1) 345-351**
14. Al-Bawab A., Odeh F., **Bozeya A.**, Aikens, P. A., Friberg S. E., **2009**, A Comparison between Experimental and Estimated Evaporation Path from Emulsions, **Flavors & Fragrances, 24,155-159**
15. Friberg S. E., Al-Bawab A., Odeh F., **Bozeya A.**, Aikens, P. A., **2009**, Emulsion Evaporation Path. A First Comparison of Experimental and Calculated Values, **Colloid & surfaces; A, 338 (1-3), 102-106**
16. **Bozeya A.**, Al-Bawab A., Fayyad M., **2009**, Method development for analysis of Linear and Branched alkyl benzene sulfonates , **Fresen. Environ. Bull., 18, (5), 590-600**

Personal Details:

Nationality	Jordanian
Date / Place of Birth	03 - Dec. 1979 / Zarqa, Jordan
Marital Status	Single
Religion	Islam
Languages	Arabic (mother language), English

Relevant Skills

- Particle size analyzer
- NMR
- HPLC
- Optical Microscopy
- Ultraviolet-Visible Absorption Spectrophotometer,
- Tensiometer
- Tube Furnace

Courses:

- IGCSE in chemistry, Accreditation for teachers for school-based assessment in IGCSE Examinations.
- ICDL
- TOEFL

Additional Skills:

- Drawing in mirrors and glass
- Flowers making and decoration
- Sewing and Stitching