



Dr. Mohammad R Al-rbAihat

PERSONAL DATA

- Full Name: Mohammad Ratib Ihdeib Al-Rbaihat.
- Date of Birth: 14/10/1983
- Place of Birth: Tafilah
- Nationality: Jordanian

Contact Information	
Address:	UAE, Ajman / Jordan- Amman
Mobile Phone:	+971545881398 , 00962772058600
Passport number:	O112126
E-Mail:	Moh.irbeihat83@hotmail.com

EDUCATION

2014- 2018 **Jordan University** **Amman, Jordan**

- **PH. D in Chemistry.** Thesis title (Mechanochemical synthesis and application of a slow release fertilizer based on Jordanian Kaolinite and Feldspar)

2005-2009 **Mu'tah University** **Karak, Jordan**

- **M.S in Chemistry.** Thesis title (Synthesis and Conductance Study of Ammonium and Metal Ion Complexes with Several Crown Ethers in Acetonitrile)

2001-2005 **Mu'tah University** **Karak, Jordan**

- **B.S in Chemistry.**

EXPERIENCE

1. Dec – 2017 till Now MOE/UAE Ajman, UAE

Chemistry Training Specialist

- Responsible for preparing Chemistry and pedagogical Research's.
- Responsible for training teachers onto Chemical Topics with modern pedagogy and implementing them in their classrooms.
- Responsible for Designing and preparing Chemistry workshops.
- Responsible for training teachers to integrate ICT tools with modern pedagogy and implementing them in their classrooms.
- STEM Education Expert - Training, Supervision and Assessment.

2. June -2015 till August- 2015 The University of Jordan Amman, Jordan

Researcher Assistant at the University of Jordan (Part time)

- Responsible for teaching General Chemistry laboratories.

3. Sep - 2009 till 2017 CADER Amman, Jordan

Professional Master Trainer

- Responsible for training teachers to integrate ICT tools with modern pedagogy and implementing them in their classrooms.
- Responsible for training managers and Supervisors of MOE for Leadership Topics and implementing them in their Schools.
- Responsible for Education Reform Support Program –ERSP- with USAID organization and CADER Company and MOE.
- Supervisor role for Reading and Mathematical program (RAMP) with USAID organization and CADER Company and MOE.

4. 2005 - 2009 MOE Tafilah, Jordan

Chemistry and Science Teacher

- Responsible for teaching science – Chemistry in MOE/ Jordan.

Research and Teaching Interests

- Preparation of Fine and Nano chemistry material.
- Synthesis of Smart fertilizers – Eco environmental fertilizers.
- Synthesis and modification of pharmaceutical compounds.
- Professional development of Chemistry and science teachers.
- Teacher Inquiry research as transformative and reflective approach for practitioners' teachers in pre-service/ in-service teacher education.
- STEM education for teachers, implementation and development.
- Neurochemistry Effects on Students learning disorders researches.

LANGUAGES

- Excellent command of Arabic language: Spoken and written (Native).
- Excellent command of English language: written and spoken.
- Good Command of French language: written and Reading.

SKILLS

- Computer skills (ICDL).
- Content Development Skills.
- Communication skills.
- Monitor & Evaluation Skills.
- Time management.
- Leadership skills.
- Presentation skills.
- Project Management Skills.

Professional Development

June 2020

Elsevier

Online course

- Conference skills for researchers

May 2020

Elsevier

Online course

- Certified-Peer-Reviewer-Course-Certificate

May 2020	Udemy	Online course
	▪ Writing and Publish research paper	
November 2019	ACTVET	Abu Dhabi- UAE
	▪ Assessor (Level 3)	
October 2019	ACTVET	Abu Dhabi- UAE
	▪ Composite Award in facilitating learning and Development (Level 4)	
June 2019	MOE/Teacher Training Institute	Ajman- UAE
	▪ CYBER C3 certificate	
March 2019	MOE/Teacher Training Institute	Ajman- UAE
	▪ Microsoft Certified Educator (MCE)	
January 2019	MOE/TTI & STEM Academy	Ajman- UAE
	▪ Certified Trainer and Assessor for STReAM Program	
November 2018	MOE/Teacher Training Institute	Ajman- UAE
	▪ Retention of Investment Training Program	
December 2017	MOE/Teacher Training Institute	Ajman- UAE
	▪ Instruction and Facilitating Techniques	
August 2015	Eradah Academy for Training	Amman- Jordan
	▪ Training as Certified Educational Evaluator/Assessor.	
December 2009 –Feb 2010	CADER	Amman- Jordan
	▪ Training in Netherland - Inholland University on time management, adding to Dutch exposure (TOT).	
April 2009	MOE	Amman- Jordan
	▪ Certificate in International Computer Driving License (ICDL).	

July 2008

Mutah University

karak-Jordan

- Certificate in Analytical Chromatography – Chemistry Lab/Mu'tah University.

May 2008

Iradah Centre

Tafila – Jordan

- Certificate in Preparation of the action plan/ Iradah Centre.

Chemistry Software Skills

- Crystal Explorer3.1
- Mercury
- MestRe-C
- ChemDraw Ultra

Society Memberships

- Member of Arab Trainers Organization.
- Member of the Jordanian Chemical Society, 2013.
- Member of the Jordan Environment Society.
- Member of the International Association of scientific Researcher, 2019.

Journal Memberships

- Acta Scientific Agriculture-Editor

Conferences

- Nanotechnology, application and Future Prospects, Samaraa University 4-5 June 2020.
- First Scientific International Virtual Agricultural Conference” That held online by College of Agriculture/ University of Al-Qadisiyah in

cooperation with Iraqi Ministry of Agriculture and FAO during the period May 31 –June 1, 2020.

- T4 Education, The new Normal Education Post COVID-19, 30th May 2020.

Publications

- Ehab AlShamaileh, **Mohammad R. Al-rbaihat** , Aiman Eid Al-Rawajfeh: Mechanochemical Synthesis of Slow-Release Fertilizers: A Review (2017), **The Open Agriculture Journal**, 12, 11-19.
- Ehab AlShamaileh, Bety Al-Saqarat, **Mohammad R. Al-rbaihat** , Aiman Eid Al-Rawajfeh ,Beatrix Udvardi, An FTIR Spectroscopic Study of a Novel kaolinite NPK Mixtures: (2019),**The Journal of Engineering science and Computing** , Vol.1.
- Aiman Eid Al-Rawajfeh, **Mohammad R. Al-rbaihat**, Ehab AlShamaileh, Clean and Efficient Synthesis Using Mechanochemistry: Preparation of Kaolinite KH_2PO_4 and Kaolinite– $(\text{NH}_4)_2\text{HPO}_4$ Complexes as Slow Released Fertilizer, (2019), **Journal of Industrial and Engineering Chemistry**.
- Ehab AlShamaileh, **Mohammad R. Al-rbaihat** , Aiman Eid Al-Rawajfeh., Solid-state mechanochemical synthesis of Kaolinite–Urea complexes for Application as Slow Released Fertilizer, Journal of Ecological Engineering, (2019) Vol 20.267-276.
- Ehab AlShamaileh, **Mohammad R. Al-rbaihat** , Aiman Eid Al-Rawajfeh, Effects of Milling Time and Speed on Nutrient Availability of KH_2PO_4 with kaolinite Physical Type Slow/Controlled Release Fertilizers. (**Submitted**).
- **Mohammad R. Al-rbaihat**, Ehab AlShamaileh, Aiman Eid Al-Rawajfeh, **Synthesis of k_2SO_4 Slow Released Fertilizer using mechanochemical route: A green chemistry approach. (Submitted)**.

- **Mohammad R. Al-rbaihat**, Ehab AlShamaileh, Aiman Eid Al-Rawajfeh, Mechanochemical Preparation and properties of Slow Release Fertilizer Based on kaolinite– $(\text{NH}_4)_2\text{HPO}_4$ Complexes. (**Submitted**)
- Aiman Eid Al-Rawajfeh, **Mohammad R. Al-rbaihat**, Ehab AlShamaileh, Kinetic Overview on Mechanochemical Process: Review Study (Submitted).

Book Chapters

- F.B Lewu Tatiana Volova Sabu Thomas K R Rakhimol., **Mohammad. Al-rbaihat.**, Aiman Eid Al-Rawajfeh; **Controlled Release Fertilizers for Sustainable Agriculture 1st Edition**, (2020) Paperback
ISBN: 9780128195550

AWARDS AND FELLOWSHIPS

- 1st prize as the Best Paper Context “Chemistry from Khalil Al Salim for Scientific Research corporation in “Applied Chemistry on plant production, nutrition and food processing field, on 21 December 2019, Jordan.

References

1. Prof. Aiman E. Al-Rawajfeh - Department of Chemical Engineering, Tafila Technical University, Tafila 66110, Jordan.

Email: aimanr@yahoo.com.

Tel: 00962777526193

2. Prof. Ehab M. AlShamaileh - Department of Chemistry, The University of Jordan, Amman 11942, Jordan.

Email: ehab@ju.edu.jo

Tel: 00962 795164252

