

Curriculum Vitae

Dr. Waed Rasmi Ahmad Al-Ahmad

Analytical/Environmental chemistry

Current address:

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PERSONAL

Date of birth : 15. Oct.1981

Place of birth : Amman –Jordan

Nationality : Jordanian

Marital status : Married

EDUCATION

Postgraduate (Master degree)

- **Doctoral degree of science in Analytical Chemistry** / Environmental Chemistry , The University of Jordan (2008/2009) accumulative average 3.5% with rating very good.

Dissertation title: Analysis of Pharmaceutical Residues in
Wastewater and their Elimination by Photocatalytic
Degradation

Undergraduate

- Bachelor's degree of science in Chemistry, The University of Jordan (2003/2004), accumulative average 3.01% with rating very good.

FOREIGN LANGUAGES

•English	Written and Spoken	Excellent
• Arabic	Written and Spoken	Native

EMPLOYMENT HISTORY

- (2) Years **Assistant professor**, Applied Science Private University, 2019-2021
- (10) Years **Assistant professor**, University of Hail/ Girls Branch, 9/2009-6-2019
- (3) Years teaching Chemistry (**Lecturer**): Courses, Instrumental, analytical and general chemistry labs, in University of Jordan.
- (3) Year research assistant in toxicology department / faculty of Medicine / University of Jordan (2004-2007).
- (1) Year employ in the Environmental Studies Center (Hashemite University)/ Jordan (2003-2004).

Official Tasks

- (1) Year , The **Vice-dean of Academic and Learning Affairs** / College of Science/ University of Hail/ Girls Branch, 11/2011-11-2012
- (1) Year , The **Head of Chemistry Department** / University of Hail/ Girls Branch, 11/2010-11-2011
- (3) Year, coordinator of Academic Affairs/ Chemistry Department 2012-2015.

Quality and Development

Coordinator of quality development, chemistry department, 2018-2019.

- Bachelor's chemistry program coordinator (Chemistry Plans) (2012-2018)
- Coordinator of the quality and development committee (2013- 2018)
- Coordinator of the program specification and report committee (2013-2017)
- **Coordinator of the academic affairs committee (2012-2018)**
- **Member in the project "Rehabilitation of Chemistry Program for Accreditation-UOH-QAPAP2-Sci-4" (member of the aims 6).**
- **Member in the department for ASIN**

▪ **SUBJECTS or COURSES TAUGHT**

- General chemistry I (CHEM. 101)
- Analytical chemistry I , Analytical chemistry II,
- Instrumental analysis, Environmental chemistry.
- Drug Analysis, Statistics for chemists, Water Treatment.

RESERCH INTERESTS

- Synthesis and characterization of Photocatalysis
- Removal of pollutants from environmental samples (Water, soil)
- Photocatalytic activity

Personal features

- Self-motivated, ambitious and hard working.
- Able to do very well with a teamwork.
- Able to express myself and establish a very good Channel of communication with others.

LIST of PUBLICATIONS

1. Waed R. Alahmad and Mahmoud A. Alawi, HPLC/ UV/ FLUORESCENCE DETECTION OF SEVERAL PHARMACEUTICALS IN SEWAGE TREATMENT PLANT WASTEWATERS OF JORDAN, Volume 19 – No 5. 2010. Fresenius Environmental Bulletin.
2. Waed R. Alahmad / Mahmoud A. Alawi, Kinetic Study of Photocatalytic Degradation of Several Pharmaceuticals Assisted by SiO₂/ TiO₂ Catalyst in Solar Bath System, Volume 3 – No 2. July 2010, 126-136. Jordan Journal of Pharmaceutical Sciences.
3. Mahmoud A. Alawi and Waed Alahmad, Simultaneous Determination of Some Pharmaceuticals in Hospital Effluents Using HPLC with UV and Fluorescence Detectors , Volume 5, No. 1, 2012. Jordan Journal of Pharmaceutical Sciences.
4. Analysis of pharmaceuticals in wastewater and their photodegradation, Waed Alahmad and Mahmoud Alawi , LAP LAMBERT Academic Publishing (October 7, 2012) , ISBN-10: 3659127140, ISBN-13: 978-3659127144
5. PHOTOCATALYTIC DEGRADATION OF DICLOFENAC AND IBUPROFEN FROM SIMULATED WASTEWATER USING SiO₂-TiO₂-(Ru, N) BY ARTIFICIAL LIGHT. **Waed R Alahmad**, Mahmoud A Alawi. Fresenius Environmental Bulletin (2016) 25, 4299-4308.
6. Quality assessment of groundwater and agricultural soil in Hail region, Saudi Arabia. Amaal M. Abdel-Satar, Manal H. Al-Khabbas, **Waed R. Alahmad**, Wafaa M. Yousef, Rani H. Alsomadi, Tasneem Iqbal Egyptian Journal of Aquatic Research (2017) 43, 55–64
7. PHOTOCATALYTIC DEGRADATION OF DICLOFENAC AND IBUPROFEN BY SiO₂/TiO₂/ (Ru, N) CATALYSTS UNDER SUN LIGHT IN SOLAR BATH-LIKE SYSTEM, Mahmoud A Alawi, **Waed R Alahmad**, Baker Al-Fogha'a, Fresenius Environmental Bulletin (2017), 26 (5), 3685-3691.
8. TREATMENT OF SIMULATED WASTEWATER SPIKED WITH PHENOLS USING TiO₂/GO/SiO₂ UNDER ENVIRONMENTAL CONDITIONS. W Alahmad, H Alshammari, O Aldosari, R Alsomadi , FRESENIUS ENVIRONMENTAL BULLETIN (2018) 27 (12 B), 9922-9930.

9. SUNLIGHT PHOTODEGRADABLE POLYSTYRENE-TiO₂/SiO₂ COMPOSITE. **Waed ALAHMAD**. Journal Chemistry & Chemical Technology (2019) Vol. 13, No. 2, pp. 190–197
10. ANNEALING TEMPERATURE EFFECT ON STRUCTURAL, OPTICAL AND PHOTOCATALYTIC ACTIVITY OF NANOCRYSTALLINE TiO₂ FILMS PREPARED BY SOL-GEL METHOD USED FOR SOLAR CELL APPLICATION. S. M. AL-SHOMAR, **W. R. ALAHMAD**. Digest Journal of Nanomaterials and Biostructures Vol. 14, No. 3, July - September (2019) p. 617 – 625
11. Ahmed Abu-Rayyan, Waed Alahmad, Fatima Fadul ALI Osman, Kamal Elbssir M Ali. (2020). The Role of Health Education in Promotion of Health Care Waste Management in Khartoum North Teaching Hospital. Indian Journal of Forensic Medicine & Toxicology, 15(1), 719-726. <https://doi.org/10.37506/ijfmt.v15i1.13502>
12. Waed Alahmad, Ahmed Abu-Rayyan, Najm Eldinn Elsser Elhassan, Mohammed Ismail Humaida. (2020). Measuring the Health Impact of Drinking Water Sources in El-Fashir, Sudan. Indian Journal of Forensic Medicine & Toxicology, 15(1), 1640-1646. <https://doi.org/10.37506/ijfmt.v15i1.13646>
13. **Waed R Alahmad, Tala H. Sasa, Nawal H Bahtiti, Ahmed Abu-Rayan. A Study Survey of Awareness of Jordanian Chemists about Chemical Hazards.** Indian Journal of Forensic Medicine & Toxicology. 2021, in press.
14. Waed Alahmad, Hamed Alshammari, Rani Alsomadi. POLYSTYRENE SOLID PHASE PHOTOLYSIS UNDER ENVIRONMENTAL CONDITIONS USING TiO₂/SiO₂/Ru NANO-COMPOSITE. Volume 30– No. 06A/2021 pages 6474-6484 Fresenius Environmental Bulletin.
15. Hanan Haj Ahmad and Waed Alahmad, Modeling the removal of methylene blue dye using a graphene oxide/TiO₂/SiO₂ nanocomposite under sunlight irradiation by intelligent system. Open Chemistry 2021; 19: 157–173, <https://doi.org/10.1515/chem-2021-0025>.

FUNDED RESEARCH PROJECTS

Project Title	Funding Agency	Start Date	End Date	Status
Water assessment in hail region.	Hail	1/9/2014	1/9/2015	Finished SC14005
Solid Phase Degradation of Polystyrene by Ru/TiO ₂ /SiO ₂ , and N/TiO ₂ /SiO ₂ Under Sunlight	KACST مدينة الملك عبد العزيز للتقنية والعلوم	1/9/2014	1/9/2015	Finished م ص 105-35-

Modification of Graphene for the removal of Phenolic compounds from simulated wastewater	Hail	1/6/2016	1/6/2017	Finished SC150302
Synthesis, characterization, and photocatalytic activity of TiO₂/ Jordanian Clay Composites.	الجامعة الاردنية	/10/12 2020	/10/12 2022	In progress
Experimental and computational approach to study photocatalytic activity of metal oxide and chalcognide -doped photocatalysis	جامعة الاسراء	/12/17 2020	/12/17 2022	In progress
Measuring levels of Heavy Metals in Renal Failure Patients	ASU	27/1/202 1	27/6/202 2	In progress
Modeling of Dyes photodegradation in Aquatic environment by Photocatalytic Membranes	ASU	27/1/202 1	27/6/202 2	In progress

References;

- **Dr. Hamed M. Alshammari**; Associated Professor of chemistry, Vice Dean for Graduate Studies and Research, Faculty of Science. Hail / KSA, Tel. No.00966504977670.
- **Dr. Mahmud Alawi**; Professor of Environmental Chemistry \ University of Jordan / Chemistry Department, Tel. No 00962777483679