

## CURRICULUM VITAE



**DR. MOHAMMAD R. THALJI**

**Ph.D. in Chemistry**

**(Nanomaterials Electrochemistry)**

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### **PERSONAL INFORMATION**

<b>Full Name</b>	Mohammad Rebhi Thalji
<b>Place &amp; Date of Birth</b>	Jerash-Jordan / August 13, 1984
<b>Nationality:</b>	Jordanian
<b>Marital Status</b>	Married
<b>Permanent Address</b>	Amman - Jordan
<b>Telephone No.</b>	+962782453584
<b>Email</b>	<a href="mailto:mdthalji@gmail.com">mdthalji@gmail.com</a>
<b>Scopus ID</b>	<a href="https://orcid.org/57210559687">57210559687</a>
<b>Web of Science Research-ID</b>	<a href="https://orcid.org/AAD-2300-2019">AAD-2300-2019</a>
<b>Website (ResearchGate)</b>	<a href="https://www.researchgate.net/profile/Mohammad_Thalji2">https://www.researchgate.net/profile/Mohammad_Thalji2</a>

### **EDUCATION**

- **Ph.D. in Physical/Analytical Chemistry (Advanced Materials Science), 2020**  
(University Malaysia Pahang, Malaysia)

**Thesis:** “*Tungsten Oxide/Reduced Graphene Oxide Nanocomposite for Supercapacitor Applications.*”

- **M.Sc. in Chemistry (Analytical Chemistry), 2011 (Yarmouk University, Jordan).**

**Thesis:** “*Development of a New FIA Method for the Determination of Some Cephalosporins.*”

- **B.Sc. in Applied Chemistry, 2006 (Tafila Technical University, Jordan).**

## **PROFESSIONAL EXPERIENCES**

- **Teaching Assistant** (*Physical Chemistry & Inorganic Chemistry*), Faculty of Industrial Sciences and Technology, University Malaysia Pahang, Kuantan, Malaysia from September 2019 to August 2020.
- **Research Assistant** (Graduate Research Assistant Scheme), Faculty of Industrial Sciences and Technology, University Malaysia Pahang, Kuantan, Malaysia from September 2018 to February 2019.
- **Chemistry Lecturer**, Shaqra University, Kingdom of Saudi Arabia from 20 September 2011 to 21 September 2017.
- **Chemical Analyst**, Research and Development (R&D) Department, Hayat Pharmaceutical Industries Co PLC, Amman-Jordan from February 2006 to August 2006.

## **RESEARCH INTERESTS:**

- Advanced Materials
- Materials Electrochemistry
- Graphene/Graphene oxide
- Doped and un-doped Metal Oxides
- Nanomaterials for Energy Conversion and Storage
- Pharmaceutical Analysis

## **TRAINING COURSES & WORKSHOPS:**

- **Seminar:** *Using of Nanomaterials Composite in the Production of Energy and Green Chemistry*, November 04, 2020, GAAJSP's Establisher & Falcon Institute for Strategic Studies.
- **Training Session:** *TURNITIN*, November 14, 2019, Universiti Malaysia Pahang.
- **Training Workshop:** *X-Ray Photoelectron Spectroscopy (XPS)*, November 12, 2019.
- **Training course:** *Application Training for Shimadzu AGS-X (50KN, 100N) and Trapezium Lite X-software*, March 22-23, 2019.

- **Information Skill Class:** *SPRINGERLINK*, UMP Library, Gambang Campus, 13 March 2019.
- **Information Skill Class:** *WEB OF SCIENCE (WOS)*, UMP Library, Gambang Campus, 27 February 2019.
- **Information Skill Class:** *ONLINE DATABASE & TURNITIN*, UMP Library, Gambang Campus, 4 April 2018.
- **E- Training Workshop:** *Overview of the Nature. com platform*, Saudi Digital Library, 09-12-2015.
- **E- Training Workshop:** *How to get published*, Saudi Digital Library, 09-12-2015.
- **E- Training Workshop:** *SAGE Premier Journals*, Saudi Digital Library, 30-11-2015.
- **Training Workshop:** *Program and Course Learning Outcomes*, Shaqra University, 18-02-2012.
- **Training Workshop:** *Internal and External Audit, their Mechanisms and Reporting Prepared of Programs*, Shaqra University, 28-02-2012.
- **Training Workshop:** *Statistical Analysis of the Questionnaires and the Development of Information*, Shaqra University, 13-03-2012.
- **Training Workshop:** *Reports and Quarterly Quality Units*, Shaqra University, 04-04-2012.
- **Training Workshop:** *Research Quality, KPIs and Benchmarking*, British Council, 07-04-2012.
- **Training Workshop:** *Learning Outcomes'' in Program Planning, delivery and Evaluation''*, British Council, (18-19)-04-2012.

## **PUBLICATIONS:**

- **Mohammad R. Thalji**, Gomaa A. M. Ali, Porun Liu, Yu Lin Zhong and Kwok Feng Chong, *W<sub>18</sub>O<sub>49</sub> nanowires-graphene nanocomposite for asymmetric supercapacitors employing AlCl<sub>3</sub> aqueous electrolyte*, ***Chemical Engineering Journal***, **409 (2021) 128216**. <https://doi.org/10.1016/j.cej.2020.128216>. (WoS, Q1, IF 10.652)
- Gomaa A.M. Ali, Elżbieta Megiel, Piotr Cieciorński, **Mohammad R. Thalji**, Jan Romański, H. Algarni, Kwok Feng Chong, *Ferrocene functionalized multi-walled carbon nanotubes as supercapacitor electrodes*, ***Journal of Molecular Liquids***, **318, 114064 (2020)**. <https://doi.org/10.1016/j.molliq.2020.114064>. (WoS, Q1, IF 5.065)

- Gomaa A. M. Ali, **Mohammad R. Thalji**, Wee Chen Soh, H. Algarni, Kwok Feng Chong, *One-step electrochemical synthesis of MoS<sub>2</sub>/Graphene composite for supercapacitor application. Journal of Solid State Electrochemistry*, 24, 25-34, (2020). <https://doi.org/10.1007/s10008-019-04449-5>. (WoS, Q3, IF 2.646)
- **Mohammad R. Thalji**, Ali, G. A. M., Algarni, H., & Chong, K. F. *Al<sup>3+</sup> ion intercalation pseudocapacitance study of W<sub>18</sub>O<sub>49</sub> nanostructure. Journal of Power Sources*, 438, 1–8, (2019). <https://doi.org/10.1016/j.jpowsour.2019.227028>. (WoS, Q1, IF 8.247)
- **Mohammad R. Thalji**, Gomaa A. M. Ali, Soon Poh Lee, Kwok Feng Chong. *Solvothermal Synthesis of Reduced Graphene Oxide as Electrode Material for Supercapacitor Application. Chemistry of Advanced Materials* 4(3) (2019) 17-26.
- Al-Ghonaim MI, Abdel-Ghaffar MH, Alnomasy SF, **Thalji MR**, Khan FR. *Prevalence of viral hepatitis among population of Al-Quwayiyah governorate, Saudi Arabia. World J Pharm Res.* 4 (2012) 1212–22.
- **Mohammad R. Thalji** and Idrees F. Al-Momani, *Development of a New FIA Method for the Determination of Some Cephalosporins*, Yarmouk University, 2011.

#### **SKILLS AND CAPABILITIES**

- Excellent skills in teaching Chemistry courses.
- Strong motivation to publish scientific researches and research cooperation for publishing in scientific refereed journals.
- Social interpersonal communication.
- Ability to use distance learning applications and scientific research approaches.
- Ability to take leadership appropriately.

#### **MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES**

- American Chemical Society (ACS)
- The Electrochemical Society (ECS), ECS ID: 434999
- Jordanian Chemical Society (JCS)

## **CONFERENCES**

- **Mohammad R. Thalji** and Idrees F. Al-Momani "Indirect Spectrophotometric Determination of Some Drugs in Pharmaceutical Products by Flow Injection Analysis". The 6<sup>th</sup> Jordanian International Conference of Chemistry. Yarmouk University/Jordan, 19-21 April,2011.

## **UNIVERSITY COMMITTEES**

- Head of academic advising unit at the faculty of Applied Medical Sciences, Shaqra University, Kingdom of Saudi Arabia from September 2011 to August 2017.
- Member in quality assurance and academic accreditation unit at the faculty of Applied Medical Sciences, Shaqra University, Kingdom of Saudi Arabia from September 2011 to August 2017.

## **OTHER COMMUNITY ACTIVITIES**

- International Civil Defense Day under the theme "Towards a Safer Society", 2014.
- The 30<sup>th</sup> Gulf Traffic Week with the theme "Your Safety is Our Goal", 2014
- Gulf Traffic Week under the theme "Your Decision Determines Your Fate", 2015.

## **REFERENCES**

Available Upon Request