



## ***Curriculum Vitae***

### **Contact Information :**

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### **Personal Information:**

**Date of Birth:** 14<sup>th</sup> of Jan 1988.

**Place of Birth:** Mafraq – Jordan.

**Nationality :** Jordanian.

**Gender :** Male.

### **Education:**

**2020 – 2023:** Ph.D. in analytical chemistry. Nicolaus Copernicus University in Toruń. Poland

**2016 – 2019:** Master in analytical chemistry ( M.Sc.). Al al-Bayt University – Jordan.

**2007 – 2011:** Bachelor of Science ( B.Sc. ) Chemistry. Al al-Bayt University – Jordan.

**2007:** High School Diploma – Scientific Track Al-Mafraq Secondary Comprehensive School for Boys.

**Title of doctoral Thesis:**

Biosilica as a New Packing Material for Chromatographic Separations.

**Title of Master Thesis:**

Spectrophotometric method for estimation of ranitidine hydrochloride in pharmaceutical preparation.

**Publications:**

- Baker, H.; **Al saoud, H.**; Abdel-Halim, H. Eur. J. Chem. 2020, 11(4), 291-297. doi:10.5155/eurjchem.11.4.291-297.2002 .
- **Al Saoud, Hussam**, Aneta Krakowska-Sieprawska, Myroslav Sprynskyy, Paweł Pomastowski, and Bogusław Buszewski. "Nowe materiały na bazie 3D biokrzemionki." Analityka: nauka i praktyka 3 (2021): 4-12.
- **Al Saoud H**, Sprynskyy M, Pashaei R, Kawalec M, Pomastowski P, Buszewski B. Diatom biosilica: Source, physical-chemical characterization, modification, and application. J Sep Sci. 2022;1–15.
- **Al Saoud, H.A.**, Szumski, M., Sprynskyy, M., Bocian, S. and Buszewski, B., 2023. Biosilica as a New Stationary Phase in HILIC Mode. Chromatographia, pp.1-7.
- Szumski, M., **Al Saoud, H.**, Wojtczak, I., Sprynskyy, M., Gadzała-Kopciuch, R., Bocian, S., Dembek, M., Potrzebowski, M. and Buszewski, B., 2024. Diatom biosilica for liquid chromatography. Journal of Chromatography A, p.465603.
- El-Abadelah, Mustafa, et al. "Synthesis, Crystal Structure, Antibacterial and Antituberculosis Activities of Novel Thieno [2, 3-b][1, 4] dithiine-1, 1-dioxide Derivatives." Jordan Journal of Chemistry (JJC) 20.Special Issue) (2025): 27-39.
- Alshhab<sup>1</sup>, A., Dababneh, M.F., Alidmat<sup>1</sup>, M.M., Alokour, M. and **Al Saoud, H.A.**, Assessing The Level Of Students' Awareness With Safety Rules Within Educational Laboratories At Jadara University In Jordan. International Journal of Environmental Sciences, 11(23s), p.2025.
- Alidmat, Mohammad Murwih, Moeen Fuad Dababneh, Abdallah Alshhab<sup>1</sup>, Mamoon Alokour, **Hussam A. Al Saoud**, Raneem Waleed, and Razan Younis. "Synthesis, Characterization, Antioxidant, and Antimicrobial Evaluation of Novel (E)-4-(Substituted Benzyldieneamino) phenol Derivatives Featuring Heteroaryl and Aryloxy Substituents." (2026).

## Conferences

1. Baker, H.; **AL saoud, H.**; Abdel-Halim, H. <sup>16</sup>th Jordanian Chemical Conference. Spectrophotometric method for estimation of ranitidine hydrochloride in pharmaceutical preparation. poster presentation. Jordan, 10 October. (2019).
2. **Hussam AL Saoud**, Michał Kawalec, Bogusław Buszewski. <sup>17</sup>th International Students Conference —Modern Analytical Chemistry. characterization and functionalization of biosilica composites. Oral presentation. Prague. (16-17 September 2021).
3. **Hussam AL Saoud**, Michał Szumski, Michał Kawalec, Bogusław Buszewski. The <sup>4</sup>th International Congress on Analytical and Bioanalytical Chemistry. Diatom biosilica for chromatographic purposes. Oral presentation. Online-Turkey. (23-26 March 2022).
4. **Hussam AL Saoud**, Michał Kawalec, Myroslav Sprynskyy, Bogusław Buszewski. How to Change the World via Science. Diatom biosilica as a drug carrier. poster presentation. Jordan.( 09 – 11 June 2022).
5. Bogusław Buszewski, **Hussam AL Saoud**, Michał Szumski, Myroslav Sprynskyy, Marek Potrzebowski. From Czochralski silica to ... biosilica. <sup>10</sup>th Congress of Chemical Technology. Oral presentation. Wrocław-Poland.(11-14 May 2022).
6. Michał Szumski, **Hussam AL Saoud**, Myroslav Sprynskyy, Bogusław Buszewski. Biosilica as a new generation of stationary phase for separation technique. How to Change the World via Science. Oral presentation. Jordan.( 09 – 11 June 2022).
7. Bogusław Buszewski, **Hussam AL Saoud**, Michał Szumski, Szymon Bocian, Myroslav Sprynskyy,. Biosilica as a new generation of material for separation technique. HPLC. Plenary lecture. Duesseldorf, Germany.( 18-22 June 2023).
8. Michał Szumski, **Hussam AL Saoud**, Izabela Wojtczak, Myroslav Sprynskyy , Renata Gadzała-Kopciuch, Szymon Bocian, Bogusław Buszewski. Diatom biosilica for capillary high performance liquid chromatography. Part 1. Reversed phase mode. <sup>65</sup>th Scientific Congress of the Polish Chemical Society, PTChem 2023. poster presentation. Toruń, Poland (18-22 September 2023).
9. Michał Szumski, **Hussam AL Saoud**, Myroslav Sprynskyy , Szymon Bocian, Bogusław Buszewski. Diatom biosilica for capillary high performance liquid chromatography. Part 2. HILIC mode. <sup>65</sup>th Scientific Congress of the Polish Chemical Society, PTChem 2023. poster presentation. Toruń, Poland (18-22 September 2023).
10. **Hussam AL Saoud**, Michał Szumski, Myroslav Sprynskyy , Szymon Bocian, Bogusław Buszewski. Diatom biosilica for capillary high performance liquid chromatography.(HILIC mode).Pharmacy new era: Advancement in health care sector. poster presentation. Irbid, Jordan (10<sup>th</sup> November 2024).

11. Michał Szumski, **Hussam AL Saoud**, Izabela Wojtczak, Myroslav Sprynskyy , Renata Gadzała-Kopciuch, Szymon Bocian, Bogusław Buszewski. Diatom biosilica for capillary high performance liquid chromatography. Reversed phase mode. International Congress on Innovative Science & Engineering for a New Era. poster presentation. Jordan (13-15 November 2024).
12. **Hussam Al Saoud**, Michał Szumski, Myroslav Sprynskyy, Szymon Bocian, Bogusław Buszewski. Diatom biosilica for capillary high performance liquid chromatography. ( HILIC mode). Sustainable Science Development: Transforming Industries and Society Conference. poster presentation. Jordan (poster presentation. Jordan (13-15 September 2025)).

### **Prizes and Awards:**

1. The first prize of the best poster participated in the International Congress on Innovative Science & Engineering for a New Era. Jordan (13-15 November 2024).

### **Projects:**

"Advanced Bio composites for Tomorrow's Economy BIOG-NET", FNP POIR.04.04.00-00-1792/18-00, project is carried out within the TEAM-NET program of the Foundation for Polish Science co-financed by the European Union under the European Regional Development Fund. Project coordinator: Prof. dr hab. Bogusław Buszewski; executor MSc. Hussam Al Saoud (2020 –2022).

### **Languages:**

- Arabic (1st Language-Perfect-Mother Language)
- English (2nd language—very good).

### **Experience:**

1. Chemistry & Science Teacher at Abi Jafar al-Mansour Secondary Comprehensive School for Boys, October 2011 – 2015.
2. Chemistry & Science Teacher at Al-Rabia Secondary Comprehensive School for Boys, October 2015 – 2019.
3. Research assistant at Bialystok University of Technology 2020-2022.
4. Ph.D. at Nicolaus Copernicus University in Toruń, Poland 2020-2023.
5. Assistant professor Jadara University 2024- Present.