

Name

Yazan Mazen Al-Zain

Education – degree, discipline, institution, year

- Ph.D in Materials Science and Engineering, Tsukuba University, Japan, 2011.
- MSc in Materials Science and Engineering, Tsukuba University, Japan, 2008.
- BSc in Materials and Metallurgical Engineering, Al-Balqa' Applied University, Jordan, 2003.

Academic experience – institution, rank, title (if appropriate), when, full time or part time

- The University of Jordan, Associate Professor (Assistant Dean for Students Affairs and Training), 02/2021 – now, full time.
- The University of Jordan, Associate Professor, 08/2018 – now, full time.
- The University of Jordan, Assistant Professor, 09/2016 – 8/2018, full time.
- The American University of the Middle East, Assistant Professor, 09/2015 – 9/2016, full time.
- The University of Jordan, Assistant Professor, 02/2012 – 09/2015, full time.
- Al-Balqa' Applied University, Assistant Professor, 06/2013 – 06/2014, part time.
- Ruhr-University Bochum, Postdoctoral Research Scientist, 09/2011 – 08/2012, full time.

Non-academic experience – company or entity, title, brief description of position, when, full time or part time

Arab Center for Engineering Studies, Materials Specialist. Work focused on Testing Materials Used in the Construction industry as well as Consultation Services. Consultations included enhancing the services provided by the company to the customer such as selecting the best procedure and/or machine used to test the construction materials, 08/2012 – 01/2013, full time.

Certifications or professional registrations**Current membership in professional organizations**

Member of the Jordan Engineers Association, since 2003.

Honors and awards

Jordan Engineers Association graduation projects award.

Service activities (within and outside of the institution)

- A member of ABET committee.
- School of Engineering sports representative.
- University's representative at the Jordanian's Standardization Organization.
- Department's representative at the ministry of public sector development.
- Organizing committee member at the second international conference on industrial and systems engineering.

The most important publications and presentations

- Novel beta-type high entropy shape memory alloys with low magnetic susceptibility and high biocompatibility. Hashimoto N, Al-Zain Y, Yamamoto A, Koyano T, Kim HY, Miyazaki S. Mater Lett 2021, 287, 129286.
- Corrosion behavior, in vitro and in vivo biocompatibility of a newly developed Ti–16Nb–3Mo–1Sn superelastic alloy. Al-Zain Y, Yamamoto A, AlAjlouni JM, Al-Abbadi MA, Al-

Sayyed MR, Aloweidi SA, Kim HY, Miyazaki S. Mater Sci and Eng C 2019;104:109906.

- Implementing Lean Six Sigma in a Kuwaiti Private Hospital. Al-Zain, Yazan; Alfandi, Lawrence; Arafeh, Mazen; Salim, Samar; Al-Quraini, Shouq; Al- Yaseen, Aisha; Abu Taleb, Demah. International Journal of Health Care Quality Assurance 2019;32. Accepted Manuscript.

- A Comparative Study on the Effects of the ω and α phases on the Temperature Dependence of Shape Memory Behavior of a Ti-27Nb alloy. Al-Zain Y, Kim HY, Koyano T, Hosoda H, Miyazaki S. Scripta Mater 2015;103:37-40.

- Effect of B addition on the Microstructure and Superelastic Properties of a Ti-26Nb Alloy. Al-Zain Y, Kim HY, Miyazaki S. Mater Sci and Eng A, 2015;644:85-9.

- Room Temperature Aging Behavior of Ti-Nb-Mo-Based Superelastic Alloys. Al-Zain Y, Kim HY, Hosoda H, Nam TH, Miyazaki S. Acta Mater 2012;59:2437-2447.

- Miniaturized Shape Memory Alloy Pumps for Stepping Microfluidic Transport. Sassa F, Al-Zain Y, Ginoza T, Miyazaki S, Suzuki H. Sensors and Actuators B: Chemical 2012;165:157-163.

- Effect of Omega Phase on Shape Memory Properties of Ti-base Alloys. Kim HY, AL-Zain Y, Inamura T, Hosoda H, Miyazaki S. 2012; 12th World Conference on Titanium, 1110-1113.

- Programable Microfluidic Processor with Pumping and Coulometric Detecting Functions. Sassa F, Al-Zain Y, Ginoza T, Fukuda J, Miyazaki S, Suzuki H. Transducers 2011; 16th International Solid-State Sensors, Actuators and Microsystems Conference:2287-2290.

- Anomalous Temperature Dependence of the Superelastic Behavior of Ti-Nb-Mo alloys. Al-Zain Y, Kim HY, Koyano T, Hosoda H, Nam TH, Miyazaki S. Acta Mater 2011;59:1464-1473.

-Shape Memory Properties of Ti-Nb-Mo Biomedical Alloys. Al-Zain Y, Kim HY, Hosoda H, Nam TH, Miyazaki S. Acta Mater 2010;58:4212-4223.

The most recent professional development activities

1. Training on the Advanced Biocompatibility Testing of Zr and Ti alloys. University of Tsukuba, Japan, from 20-8-2019 to 20-9-2019.
2. Training on the Biocompatibility Testing of Ti-Based Alloys. National Institute for Materials Science, Japan, from 30-8-2018 to 13-9-2018.