

CURRICULUM VITAE

Taha A. Tabaza

*Mechanical Engineering Department
Al Zaytoonah University of Jordan, Amman, Jordan
Phone: + 962 6 42915155 Ext.117
Fax: + 962 6 4291432
E-mail: taha.t@zuj.edu.jo*



1. Education

- Ph. D. in Mechanical Engineering, 1993 Moscow Road-Transport Institute, Russia
- B.Sc. & Ms in Mechanical Engineering 1989 Moscow Road-Transport Institute, Russia

2. Ph.D. Dissertation

Development of CVD technology for Combined Multilayer Chromium Coatings
Moscow Road-Transport Institute, Russia

3. Employment

• Academic Positions

- Associate Professor, Mechanical Engineering, ZUJ, Amman, Jordan
April 15, 2011 – Present
- Assistant Professor, Mechanical Engineering, ZUJ, Amman, Jordan
September 11, 2011 – April 11, 2021
- Teaching Assistant, Moscow Road-Transport Institute, Russia (1990-1992)
- Research Assistant. Moscow Road-Transport Institute, Russia (1990-1991)
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4. Research Interests

Impact Dynamics Materials Science Mechanical Behavior of Materials

5. Teaching Experience

6. Undergraduate Courses

Machine Design, Mechanics of Materials, Thermodynamics 1&2, Engineering Mechanics, Statics, Dynamics, Materials Science, Machinery (Theory of Machines), Manufacturing, Principles Of Energy Science, Engineering drawing (AutoCAD)..

7. Grants

- 2013: ZUJ grant " Utilization of water produced hydrogen for domestic heating purposes:

- 2015: ZUJ grant “Modeling, simulation and optimization of MIMO fuzzy system”. project number: 27/15/2015
- 2019: ZUJ grant. “Design and construction of micro-arc oxidation unit to enhance the surface microhardness of aluminum alloy grain refined by rare earth elements”. project (19/18/2018-2019)

8. Membership of Committees

- **National and International**
 - Jordanian Engineers Association since 1989
 - Organizing Committee; The 8th - 11th International Conference on Advanced Materials Research (ICAMR 2018 - 2021)
 - Organizing Committee; Al-Zaytoonah University International Engineering Conference on Design and Innovation in Infrastructure 2016 (ZEC 2016), 2016.

9. Professional and Scientific Meetings (last three years)

- Participated in Advances in Science and Engineering Technology International Conferences IEEE Xplore 2020, UAE
- Participated in 9th International Conference on Advanced Materials Research (ICAMR 2019) in Singapore.
- Participated in 8th International Conference on Advanced Materials Research (ICAMR 2018) in Fukuoka, Japan.
- Participated in Zaytoonah University International Engineering Conference on Sustainability: Design and Innovation 2014, ZEC Sustainability 2014, Jordan.
- Participated in Zaytoonah University International Engineering Conference on Design and Innovation in Infrastructure 2012 (ZEC Infrastructure 2012), Jordan.

10. Publications (selected from last three years)

- **T. A. Tabaza**, O. Tabaza, J. Barrett, A. Alsakarneh; Hysteresis Modeling Of Impact Dynamics Using Artificial Neural Network; Journal of Mechanics, Accepted, 2021
- Lina Momani, Amjad Alsakarneh, **Taha A. Tabaza**, Maher Joureyeha, John Barrett. Impact dynamics modelling of viscoelastic materials; Materials Today: Proceedings Article in Press, 2021
- Subbotina, V., Sobol, O., Belozerov, V., **Tabaza, T.A.**, Al-Qawabah, S.M., Shnayder, V. A study of the electrolyte composition influence on the structure and properties of MAO coatings formed on AMG6 alloy; Eastern-European Journal of Enterprise Technologies, Vol. 3 12 (105), 2020, pp. 6-14
- **Tabaza, T.A.**, Al-Qawabah, S., Tabaza, O.T., Al-Sakarneh, A.; Microstructure and microhardness of chrome-oxide coating precipitating from gases phase using liquid of metal organic chrome compositions, Key Engineering Materials Vol. 803, 2018 pp. 60 - 64.