

CURRICULUM VITAE

TAHA ABDEL-QADER HUSSIEN TABAZA
Mechanical Engineering Department of Faculty of Engineering,
AL-Zaytoonah University of Jordan,

Amman - Jordan

Phone: Number: 0780465808

E-mail: taha_tabaza@hotmail.com

taha.t@zuj.edu.jo



1. Personal Data

Date of Birth: 02/02/1965

Nationality: Jordanian

2. Education

- Ph. D. in Mechanical Engineering (Applied Mechanics), 1993 Moscow Road-Transport Institute, Moscow, Russia
- B.Sc. & Ms in Mechanical Engineering (General Mechanics) 1989, Moscow Road-Transport Institute, Moscow, Russia

3. Ph.D. Dissertation

Preparation of Pyrolytic Chromium-Oxid coating, Study of Microstructure, Physical and Mechanical Properties and Hues, Moscow Road-Transport Institute, Moscow, Russia.

4. Employment

Academic Positions

- Professor, Name of Department, University, City, Country
January xx, 2005 – now
- Associate Professor, Name of Department, University, City, Country
Jan xx, 1996 – January xx, 2005



QF11/0110 - 3.0E

Curriculum Vitae Form

- Assistant Professor, Mechanical Engineering Department, AL- Zaytoonah University of Jordan, Jordan since - 2011
- Teaching Assistant, Moscow Road-Transport Institute, Russia (1990-1992)
- Research Assistant. Moscow Road-Transport Institute, Russia (1990-1991)

Administrative Positions

- Chairman of Department of Mechanical Engineering, Faculty of Engineering and Technology, AL- Zaytoonah University of Jordan, Amman, Jordan Oct. 2014 – Oct. 2015.

5. Research Interests

- Energy; my research focus on efficient and environmentally friendly energy
- Materials; my research interests focus on coating, mechanics of materials, and materials behavior.
- Applied Mechanics; contact mechanics (Impact)

6. Membership in Scientific Societies and Associations

7. Member of Jordan Engineers Association since 1989.

9. Teaching Experience

- *Undergraduate Courses*
 - Machine Design 1& 2
 - Mechanics of Materials
 - Statics
 - Dynamics
 - Materials Science And Engineering
 - Machinery (Theory of Machines)
 - Manufacturing
 - Special Topics (Vehicle Maintenance & Repair)
 - Thermodynamics 1& 2
 - Internal Combustion Engines
 - Principles Of Energy Science
 - Engineering drawing (AutoCAD)



QF11/0110 - 3.0E

Curriculum Vitae Form

10. Membership of Committees

- **Organizing Committee**, 8th International Conference on Advanced Materials Research (ICAMR 2018) in Fukuoka, Japan,
- **Scientific Committee**, *8th International Conference on Engineering, Project, and Production Management (EPPM - 2017)*, at Al-Zaytoonah University of Jordan.
- **Organizing Committee**, *Al-Zaytoonah University International Engineering Conference on Design and Innovation in Infrastructure 2016 (ZEC 2016)*, 2016.
- **Member of Faculty Council of the Faculty of Engineering of the academic year (2014-2015)**.
- **Head of the Department of Mechanical Engineering**, Oct. 2014 – Oct. 2015.
- **Member of Appointments and Promotions Committee**, AL- Zaytoonah University of Jordan, Jordan since 01/11/2014
- **Organizing Committee**, *The Eighth Jordanian International Mechanical Engineering Conference (JIMEC8) Mechanical Engineering: From Research to Practice 2013*
- **Member of scientific committee**, AL- Zaytoonah University of Jordan, Jordan (2011-2013).
- **Member of Faculty Council of the Faculty of Engineering of the academic years (2011-2012) (2012-2013)**.
- **Organizing Committee**, *Al-Zaytoonah University International Engineering Conference on Design and Innovation in Infrastructure 2012 (ZEC infrastructure 2012)*, 2012.

11. Professional and Scientific Meetings

1. Omar Tabaza , Ibrahim Abu-Alshaikh. **Taha Tabaza**. Design and simulate a new circular shape design for the micro hotplate of a MEMS based gas sensor, Zaytoonah University International Engineering Conference on Sustainability: Design and Innovation 2014, ZEC Sustainability 2014, May 13-15, 2014 Amman, Jordan
2. **T. A. Tabaza**, O. T. Tabaza, Al-Sakarneh A. A. CVD Technology for Preparing Chromium Oxide Coatings, Study of the kinetics of growth of coatings, 8th International Conference on Advanced Materials Research (ICAMR 2018) in Fukuoka, Japan, during January 20-22, 2018.



QF11/0110 - 3.0E

Curriculum Vitae Form

3. **T. Tabaza**, M. Hamdan, O. Diab, E. AbdelHafez, Utilization of water produced hydrogen for domestic heating purposes, International Conference on Water-Energy Nexus And Waste Treatment For A Sustainable Arab World. December 6 – 7, 2013 Beirut – Lebanon . Accepted for Journal publication.
4. A. Alsakarneh, T. Aljarrah, **T.Tabaza**, Design and simulation of an autonomous dual-axis sun tracking system using fuzzy logic, International Conference on Engineering and Applied Sciences 2013(ICEAS 2013), November 7-9,2013 Osaka, Japan.
5. A. Badran, **T. Tabaza** , Heating alternatives for Jordan in view of new energy prices, Zaytoonah University International Engineering Conference on Design and Innovation in Infrastructure 2012 (ZEC Infrastructure 2012), June 18-20, 2012 Amman, Jordan.
6. **T.Tabaza**, A.E. Zelenov, Preparation of decorative oxide chrome coats, Theses of reports at all Union Scientific and Technical Conference, Novokuznetsk, Russia – 1991
7. **T.Tabaza**, Y.D Kogan, Decorative coats obtained through precipitation from the gaseous phase, Theses of reports at Republican Scientific and Technical Conference- 1991.
8. **T.Tabaza**, Y.M. Lakhtin, Decorative coating obtained through chemical precipitation from the gaseous phase, Scientific and Technical Conference of Moscow Road-Transport Institute, Moscow 1991
9. **T.Tabaza**, Y.M. Lakhtin, Y.D. Kogan, Preparation of decorative chrome coating from the gaseous phase of metal-organic compounds, Penza Scientific and Technical Conference, 1992.
10. **T.Tabaza**, Y.M. Lakhtin, , Y.D. Kogan, Research on structure, physical and mechanical properties, of pyrolytic oxide-chrome coating, Scientific and Technical Conference of Moscow Road-Transport Institute, Moscow 1992

12. Publications

1. **T. A. Tabaza**, O. T. Tabaza, Al-Sakarneh A. A. CVD Technology for Preparing Chromium Oxide Coatings, Study of the kinetics of growth of coatings 2018 Key Engineering Materials Vol. 765(2018) pp 193 - 198
2. Belozarov, V., Sobol, O., Mahatilova, A., **Taha A. Tabaza**, Al-Qawabeha, U.F., Al-Qawabah, S.M.*Effect of electrolysis regimes on the structure and properties*



QF11/0110 - 3.0E

Curriculum Vitae Form

- of coatings on aluminum alloys formed by anode-cathode micro arc oxidation.*
2018 Eastern European Journal of Enterprise Technologies 1(12-91), pp. 43-47
3. Sobol', O.V., Meylekhov, A.A., Mygushchenko, R.P., **Taha A. Tabaza**, Gorban', V.F., Stolbovoy, V.A. *The influence of layers thickness on the structure and properties of bilayer multiperiod coatings based on chromium nitride and nitrides of transition metals Ti and Mo.* 2018 Journal of Nano- and Electronic Physics 10(1),01010
 4. O.V. Sobol, A.A. Andreev, R.P. Mygushchenko, V.M. Beresnev, A.A. Meylekhov, A.A. Postelnyk, S.A. Kravchenko, **Taha A. Tabaza**, Safwan M. Al-Qawabah, Ubeidulla F. Al-Qawabeha, V.A. Stolbovoy, I.V. Serdyuk, D.A. Kolesnikov. *The use of plasma-based deposition with ion implantation technology to produce superhard molybdenum-based coatings in a mixed (C₂H₂+N₂) atmosphere*
 5. O.V. Sobol, A.A. Postelnyk, R.P. Mygushchenko, Ubeidulla F. Al-Qawabeha, **Taha A. Tabaza**, Safwan M. Al-Qawabah, V.F. Gorban, V.A. Stolbovoy. *Structure and Properties of Vacuum-arc Coatings of Chromium and Its Nitrides Obtained under the Action of Constant and Pulse High-voltage Bias Potential, Journal of Nano- and Electronic Physics Vol. 9 No 6, 06024(6pp) (2017)*
 6. V. V. Belozarov, O. V. Sobol, A. I. Mahatilova, V. V. Subbotina, **Taha A. Tabaza**, Ubeidulla F. Al-Qawabeha, Safwan M. Al-Qawabah, *The Influence of The Conditions of Microplasma Processing Microarc Oxidation in Anode-Cathode Regime) Of Aluminum Alloys On Their Phase Composition.* Eastern European Journal Enterprise Technologies. 5/12 (89) 2017
 7. **T. Tabaza**, M. Hamdan, O. Diab, E. AbdelHafez, *Utilization of water produced hydrogen for domestic heating purposes*, Int. J. of Thermal & Environmental Engineering Volume 7, No. 2 (2014) 95-99
 8. **T. Tabaza**, Y.M. Lakhtin, Y.D. Kogan, *Research on structure and composition of decorative pyrolytic chrome coating obtained through precipitation from gaseous phase*, Colleges News Ferrous Metallurgy, Dec. 1992 "P. 70-74".