

CURRICULUM VITAE

Dorsa Dehghan Baniani

Birth Date: 8 March-1988

Birth Place: Shiraz, Iran

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EDUCATIONAL BACKGROUND

Ph.D Student (2013 till now) Sharif University of Technology, Tehran, Iran

Materials Science and Engineering

(Selection and Characterization of Materials)

GPA: 17.24/20

M. Sc. (2010-2013) Shiraz University, Shiraz, Iran

Materials Science and Engineering

(Selection and Characterization of Materials)

GPA: 17.77/20

B. Sc. (2006-2010)

Shiraz University, Shiraz, Iran

Materials Science and Engineering

(Industrial Metallurgy)

GPA: 16.34/20

THESES AND PROJECTS

Ph.D. Thesis: “Fabrication of Novel Injectable Chitosan Based Scaffolds Reinforced with Drug Loaded Polymeric Particles for Cartilage Tissue Engineering.”

Academic Supervisors:

R. Bagheri (Prof. of Materials Science and Engineering)

A. Solouk (Assistant Prof. of Bio Medical Engineering)

M.Sc. Thesis: “Investigation the Effects of Nano Silica Particles and Multi-Wall Carbon Nano Tubes on Mechanical Properties of Vinyl Ester Based Nano Composites.”

Academic Supervisors:

S.A.J. Jahromi (Prof. of Materials Science and Engineering)

S.M. Zebarjad (Prof. of Materials Science and Engineering)

B.Sc. Thesis: “Travelling Wave Tube with Thermally Insensitive Loss Button Structure.”

Academic Supervisors:

S. Javadpour (Prof. of Materials Science and Engineering)

PUBLICATIONS

1- Dehghan Baniani D., Jahromi S.A.J., Zebarjad S.M., “A Study On The Role Of Nano Sized SiO₂ On The Deformation Mechanism Of Vinyl Ester”, Journal of Bulletin of materials science, 2014; 37(7):1677-1683.

2- Vaferi B., Salimi V., Dehghan Baniani D., Jahanmiri A., Khedri S., “Prediction of transient pressure response in the petroleum reservoirs using

orthogonal collocation”, Journal of Petroleum Science and Engineering, 2012; 98:156–163.

3- Dehghan Baniani D., Jahromi S.A.J., Zebarjad S.M., “Investigation The Effect of Multi-Wall Carbon Nano Tubes On Tensile Behavior Of Vinyl ester Based Nano Composites”, Journal of New Processes in Materials Engineering (ISC Journal), 2013; 8th year (2):57-64.

PROFESSIONAL PRESENTATIONS

- December 2012 *The 3rd international conference on Composites Characterization, Fabrication and Application (CCFA)*, Tehran, Iran
 - ✓ Dehghan Baniani D., Jahromi S.A.J., Zebarjad S.M., “Evaluation The Effects Of Silica Nano Particles On The Fracture Mechanism Of Vinyl Ester Based Nano Composite”
 - October 2012 *The 14th Iranian National Chemical Engineering Congress, (IChEC 2012)*, Tehran Iran
 - ✓ Darvishi P., Dehghan Baniani D., Lashkarbolooki M., Vaferi B., “Phase equilibria modeling of binary systems containing Ethanol”
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TEACHING EXPERIENCES

- Materials Science & Engineering Dept. of Sharif University of Technology:
 - Teaching Assistant in “Principles of Polymer Engineering”, (2014-2015)
 - Instructor of “Physical Metallurgy Lab” (2014)
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CERTIFICATES

- Engineering software certificate of “Elementary ABAQUS/CAE” at Fanavaran Bartar Educational Institute, Shiraz, Iran, (February 2011)
 - Certificate of participation in “The Royan International Summer School: Stem Cells and Development Biology- Interdisciplinary Sciences for Tomorrow’s Medicine” at Royan Institute, Tehran, Iran, (July 2015)
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COMPUTER SKILLS

- Microsoft Office
 - Programming with MATLAB
 - Simulation and finite element analysis with ABAQUS Software
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LANGUAGES

- Persian (My Native Language)
 - English (Fluent)
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EXTRA-CURRICULAR ACTIVITIES

- Swimming
- Aerobic