



Educational Background:

M.Sc.: Materials Science and Engineering (Extractive Metallurgy), Sharif University of Technology [ranked 1st in Iran], GPA: 18.05/20 (2009-2011);

B.Sc.: Materials Science and Engineering (Industrial Metallurgy), Isfahan University of Technology [ranked 4th in Iran], GPA: 14.93/20 (2005-2009);

Diploma: Physics and Mathematics in Reza Vaseghi high school, GPA: 18.66/20.

Publications:

1. V. Fahimpour, S.K. Sadrnezhaad and F. Karimzadeh, Microstructure and mechanical property change during FSW and GTAW welding of Al6061 alloy, *Metallurgical and Materials Transactions A* 44 (2013) 2187-2195.
2. V. Fahimpour and S.K. Sadrnezhaad, Magnesium nanopowder for hydrogen absorption and ammonium perchlorate decomposition, *Materials Letters* 85 (2012) 128-131.
3. V. Fahimpour, S.K. Sadrnezhaad and F. Karimzadeh, Corrosion behavior of aluminum 6061 alloy joined by friction stir welding and gas tungsten arc welding methods, *Materials and Design* 39 (2012) 329–333.
4. V. Fahimpour and S.K. Sadrnezhaad, Breakage mechanism during ball milling of Mg for nanopowder production (*Under review with International Journal of Mineral Processing*).
5. V. Fahimpour and S.K. Sadrnezhaad, Synthesis and characterization of magnesium nanoparticles, *5th Joint Conference of Iranian Metallurgical Engineers Society and Iranian Foundry men's Society*, Iran, 2011.
6. V. Fahimpour and S.K. Sadrnezhaad, Effect of magnesium nanoparticles on ammonium perchlorate activation, *The 1th conference of Iranian Aircraft Structure Integrity Program*, Iran, 2011.

Research Projects:

M.Sc. Thesis: Synthesis of magnesium nanoparticles with ball mill;

B.Sc. Thesis: Investigation of friction stir welding on welded regions properties of Al6061 Alloys;

Course project: production of magnesium foams (extractive metallurgy laboratory course);

Industrial Project: Hydrogen production by reaction of aluminum with water for use in fuel cells;

Industrial Project: Synthesis of anodic electrocatalysts for application in direct methanol fuel-cells;

Industrial project: Investigation of fuel cells and their classification (literature project);

Industrial project: Standardization of fuel cells for their application (literature project);

Academic Experiences:

Teaching: “Welding high carbon steels” and “gas preservation welding”, Entekhab University (current semester);

Teaching: “Physical properties” and “Materials joining methods”, Entekhab University (second semester- 2013);

Research assistant at Materials and Energy Research Center (Agu 2012 until now);

Managing editor of science – student Journal of New Material;

Member of editorial board of science– student journal of New Material;

Member of the executive board of the fourth tournament of heat treatment;

The representative of materials science engineering science – student organization.

Work Experiences:

R&D and QC manager in Dirgodaze Jey refractory company (Sep 2012 until now);

Consultant in Atoosa Sanat Parsian engineering consulting company (Jan 2011 until now);

