

CURRICULUM VITAE

Sevinch Rahimi Moghaddam

Ph.D., Researcher

Personal Information:

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Date of birth: October 1986

Place of birth: Tabriz, Iran

Academic Education:

2012-2019 Istanbul Technical University, Istanbul, Turkey

Doctor of philosophy in Materials science and Engineering

Ph.D. thesis: "Combustion synthesis of Mo and B containing multi-component composites and their characterization"

2009-2011 Sahand University of Technology, Tabriz, Iran

Master of Science in Nano materials Engineering

M.Sc. thesis: "Co-production of nano zinc powder and syngas by reduction method using natural gas"

2004- 2009 Tabriz University, Tabriz, Iran

Bachelor of Science in Materials Engineering-Ceramics

B.Sc. thesis: "Study on properties of Alumina-Magnesia-Carbon system refractory castables"

Experiences:

2020-Present Researcher in Boron and Advanced Materials Applications and Research Center (KUBAM), Koç University

2014-2016 Researcher in TUBITAK project. Title: "self-propagating high-temperature synthesis of complex boride based tungsten-free cast composite materials and their development as protective coatings", Istanbul Technical University

PUBLICATIONS AND PRESENTATIONS:

- Sevinch Rahimi Moghaddam, Bora Derin, Onuralp Yucel, Seref Sonmez, Meltem Sezen, Feray Bakan, Vladimir N. Sanin, Dmitrii E. Andreev "Production of Mo₂NiB₂

based hard alloys by self-propagating high-temperature synthesis”, High Temperature Materials and Processes, 2019.

- Sevinch Rahimi Moghaddam, Faruk Kaya, Bora Derin, “Production of Mo_2MB_2 -type (M = Ni, Fe, Co) Ternary Boride Containing Alloys by Self-propagating High Temperature Synthesis”, Engineering Science and Technology, an International Journal., 2019.
- B. Derin, S. R. Moghaddam, O. Yucel, S. Sonmez, M. Bugdayci, M. Sezen, F. Bakan, V. Sanin, D. Andreev “Investigation of Mo-Ni-B ternary alloys for production of boride-based cermets by shs method” International Symposium on self-propagating High-temperature Synthesis, Antalya, Turkey, 2015.
- Sevinch Rahimi Moghaddam, Bora Derin, Onuralp Yücel, M. Şeref Sönmez, Meltem Sezen, Feray Bakan, Vladimir Sanin, Dimitry Andreev “Combustion synthesis of molybdenum containing boride based hard alloys” 18th International Metallurgy and Materials Congress, Istanbul, Turkey, 2016.
- Bora Derin, Sevinch Rahimi Moghaddam, Onuralp Yucel, Seref Sonmez, Mehmet Bugdayci, Meltem Sezen, Feray Bakan, Vladimir N. Sanin, Dmitrii E. Andreev “Thermochemical calculations and experimental investigations on Mo-Ni-B alloy system produced by combustion synthesis” Scientific Proceedings XIII International Congress "Machines. Technologies. Materials." Bulgaria, 2016.
- Sevinch Rahimi Moghaddam, Bora Derin, “The Fabrication and Characterization of Ternary Boride Composites by Combustion Synthesis Method”, 19th International Metallurgy and Materials Congress, Istanbul, Turkey, 2018.
- Sevinch Rahimi Moghaddam, Javad Moghaddam “Nano zinc powder preparation by reduction of zinc oxide with natural gas” First National Conference of nano materials, Shahroud, Iran, 2012 (In persian).
- Sevinch Rahimi Moghaddam, Javad Moghaddam “Synthesis and characterization of zinc powder using reduction method by natural gas” International Congress of new and advanced materials, Isfahan, Iran, 2012.
- Nadali Arefian, Narmin Montakhab, Sevinch Rahimi, Parisa Sowti Khiabani, Anahita Arefian, Mohammad Reza Vaezi “Investigation of effect of initial pH of solution on hydrothermal synthesis of nano titanium oxide” 7th Iranian Conference of metallurgical engineering, Najafabad, Iran, 2007 (In persian).