Ani A. Sargsyan

Date of birth: Lori region, Armenia, 20 April 2000
Citizenship: Republic of Armenia
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EDUCATION

2021-2023 Master student in Chemistry, Department of Chemistry, Yerevan State University

2018-2021 BSc in Chemistry, Department of Chemistry,

Yerevan State University.

RESEARCH & WORKING EXPERIENCE

2021- 2023 Chemist at PLANT OF PURE IRON (OJSC)

2023 March-- Junior researcher at the Laboratory of Macrokinetics of Solid State Reactions, Institute of Chemical Physics,National Academy of Sciences of RA

LANGUAGES

Armenian (native), Russian (good), English(good)

COMPUTER SKILLS

MS Office, Photoshop,
MS Jade, ISMAN-Thermo software.

RESEARCH SKILLS

Synthesis and characterization of nanomaterials, combustion synthesis (CS) of biomaterials, metals and alloys and characterization by X-ray diffraction, chemical analysis method. I have been worked with some physico-chemical methods for materials characterization, such as by X-ray diffraction, gas-chromatography, chemical and spectrophotometric analysis methods.

PROJECT

2021_ Faculty research grant (is implemented by Enterprise Incubator Foundation by the contributions from PMI Science) “High-entropy (FeCoNiMnCu)O oxide by solution combustion synthesis and spark plasma sintering for magnetic applications”, Researcher

2023_ Incubation program (is implemented by Enterprise Incubator Foundation by the contributions from PMI Science), « High Entropy Refractory Ceramic by Combustion Synthesis», Researcher

ARTICLE

1. Aydinyan, S., Kirakosyan, H., Sargsyan, A., Volobujeva, O., Kharatyan, S. (2022). Solution combustion synthesis of MnFeCoNiCu and (MnFeCoNiCu)3O4 high entropy materials and sintering thereof. Ceramics International. doi.org/10.1016/j.ceramint.2022.03.310

ABSTRACT

1. Kirakosyan, H., Sargsyan, A., Aydinyan, S., Kharatyan, S. Solution combustion synthesis and spark plasma sintering of magnetic high entropy materials, 15th international ceramics congress of CIMTEC 2022, Perugia, Italy, June 20-29, 2022

2. A. Sargsyan, H. Kirakosyan, S. Aydinyan, Solution combustion synthesis of (CoZnFeMnNi)O high entropy oxide, New Trends in Chemistry Armenia, September 24-28, 2023, Yerevan, Armenia, Accepted