

Name: Golara Kafili
Email: g_kafili@yahoo.com



Education

BSc.

University: Sahand University of Technology, Department of Materials Engineering, Tabriz, Iran.
Major: Materials Engineering- Extractive Metallurgy
Thesis: Electrorheological and Magnetorheological Fluids
Supervisor: Professor Jafar Khalil Allafi

MSc.

University: Isfahan University, Faculty of Advanced Sciences and Technologies, Department of Nanotechnology Engineering, Isfahan, Iran.
Major: Materials Engineering- Nanomaterials (Nanotechnology)
Thesis: Synthesis, Characterization and Sintering of Alumina/Yttria Core-Shell Ceramic Nanoparticles
Supervisors: Dr. Behrooz Movahedi

Ph.D.

University: Sharif University of Technology, Institute for Nanoscience and Nanotechnology (INST)
Thesis: 3D Bioprinting of a Nanocomposite Hydrogel Based on Amniotic Membrane for Tissue Engineering
Applications: Evaluation of Rheological, Mechanical and Biological Properties
Supervisors: Professor Abdolreza Simchi, Dr. Elnaz Tamjid Shabestari

Research Experience:

3D bioprinting, Tissue Engineering, Synthesis of Nanomaterials

Publications:

- **Golara Kafili**, Elnaz Tamjid, Hassan Niknejad, Abdolreza Simchi, "Gelation Kinetics of nanostructured human amniotic membrane-derived hydrogel", International Conference on Advanced Nano Materials (ANM 2021), University of Aveiro, Portugal, Submitted, 22th-24th July 2021.
- **Golara Kafili**, Elnaz Tamjid, Hassan Niknejad, Abdolreza Simchi, "Processing of a temperature responsive human amniotic membrane-derived hydrogel for soft tissue engineering by 3D bioprinting", 14th International Seminar on Polymer Science and Technology (ISPST 2020), Tarbiat Modares University, Iran, Oral presentation, 9th-12th November 2020.

- **Golara Kafili**, Elnaz Tamjid, Hassan Niknejad, Abdolreza Simchi, "Rheological behavior of amniotic membrane-based hydrogel containing Laponite nanoparticles", 8th International Conference on Nanostructures (ICNS8), Iran, Poster Presentation, 18th-20th November 2020.
- **Golara Kafili**, Behrooz Movahedi, Ghasem Dini, Mostafa Milani, "Shell thickness estimation of alumina/yttria core-shell nanoparticles via x-ray diffraction analysis", Journal of Materials Chemistry and Physics, vol 223, pp. 564-568, 2019.
- **Golara Kafili**, Mostafa Milani, Behrooz Movahedi, "The effect of optimized slip casting parameters on the microstructure and density evaluation of YAG ceramic", Journal of Ultrafine Grained and Nanostructured Materials, Vol.52, pp.154-163, 2019.
- **Golara Kafili**, Amir Alhaji, "Effect of different precipitant agents on the formation of alumina/magnesia composite powders as the magnesium aluminate spinel precursor", Journal of Advanced Powder Technology, vol 30, pp. 1108-1115, 2019.
- **Golara Kafili**, Amir Alhaji, Behrooz Movahedi, "The effect of different precipitant agents on the structure and morphology of alumina/magnesia ceramic nanocomposites", 7th International Conference on Materials Engineering and Metallurgy (iMAT 2018), 9th-10th of October 2018.
- **Golara Kafili**, Mohammadreza Loghman Estarki, Mostafa Milani, Behrooz Movahedi, "The effect of TEOS on the microstructure and phase evolutions of YAG phase by formation of alumina/yttria core-shell structures", The Journal of American Ceramic Society, pp. 4305-4316, 2017.
- **Golara Kafili**, Behrooz Movahedi, Mostafa Milani, "Optimization of slip casting parameters of alumina/yttria nanocomposite powder for obtaining transparent yttrium aluminium garnet ceramics", Journal of advanced materials in engineering, pp.51-62, 2017.
- **Golara Kafili**, Behrooz Movahedi, Mostafa Milani, " A comparative approach to synthesis and sintering of alumina/yttria nanocomposite powders using different precipitants", Journal of Materials Chemistry and Physics, pp. 136-144, 2016.
- **Golara Kafili**, Behrooz Movahedi, Mostafa Milani, "Synthesis and Characterization of Yttrium Aluminum Garnet (YAG) Ceramic Nanoparticles", 4th international conference and 9th congress Iranian Metallurgical Engineering Society and Iranian Foundarymen's Society (iMAT 2015), 10th -11th of November 2015.