

Room No: B-104

Telephone: +90 (252) 211 5613

E-mail: gulhancakmak@mu.edu.tr

EDUCATION:

Ph.D: Middle East Technical University, Dept. of Metallurgical and Materials Eng., 2011

B.S: Anadolu University, Dept. of Ceramic Engineering, 2002

RESEARCH INTERESTS:

Energy storage materials, Material characterization, Crystallography, High Entropy Alloys(HEA), Carbon based materials

PROJECTS

- Development of Perovskite Oxides for Two-Step Thermochemical Water Splitting, 2019-2022, **TÜBİTAK 1001**
- Development of perovskite-oxide based composites for hydrogen production, 2019-2021, **TÜBİTAK 1001**

SELECTED PUBLICATIONS:

- Çakmak Gülhan, Öztürk Tayfur, 2019. Continuous synthesis of graphite with tunable interlayer distance. *Diamond And Related Materials*
- Çakmak Gülhan, 2017. Effect of Heat Treatment on the Microstructure, Phase Distribution, and Mechanical Properties of AlCoCuFeMnNi High Entropy Alloy. *Advances in Materials Science and Engineering*
- Çakmak Gülhan, Öztürk Tayfur, Burak Aktekin, 2014. Induction thermal plasma synthesis of Mg₂Ni nanoparticles. *International Journal of Hydrogen Energy*
- Çakmak Gülhan, Öztürk Tayfur, 2013. Milling of magnesium powders without additives. *Powder Technology*
- Çakmak Gülhan, Öztürk Tayfur, 2011. ECAP processing and mechanical milling of Mg and Mg Ti powders a comparative study. *Journal of Materials Science*
- Çakmak Gülhan, Öztürk Tayfur, Karoly Zoltan, Ilona Mohai, 2010. The processing of Mg Ti for hydrogen storage mechanical milling and plasma synthesis. *International Journal of Hydrogen Energy*
- Çakmak Gülhan, Öztürk Tayfur, Rabia Ölmez, 2010. Combinatorial search for hydrogen storage alloys Mg Ni and Mg Ni Ti. *International Journal of Hydrogen Energy*

PERSONAL INTEREST:

Yoga, Meditation, Ayurveda

