

Curriculum Vitae

Dr. Farnaz Hosseini

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Summary:

Specialist at Research and Development of the lubricants formulation. Comprehensive knowledge about analyses of lubricants based on ASTM.

Education:

- PhD, Inorganic Chemistry (2012-2107)
- M.S, Inorganic Chemistry (2007-2010)
- B.S, Applied Chemistry (2000-2004)

Experiences:

- Fuchs Company, lubricants manufacturer. Present
- North Refining Company, lubricants manufacturer. 2023-2024
- Liqui Moly Company, lubricants manufacturer. 2020-2023
- Lecturer. 2017-2020

Professional Skills:

- Formulation of all grades of gasoline engine oil, diesel engine oil, UTTO oil, all types of gear oil, ATF, industrial oils and etc.
- Production of Glycol based engine coolant for automobile and light-Duty service-Specifications
- Working with laboratory equipment for engine oil and antifreeze testing based on ASTM standards including: Pour point, Flash and Fire point, Noack, C.C.S, Shear stability, Karl fischer, TBN, TAN, Boiling point, Viscosity.
- Working with several laboratory equipment and spectroscopy techniques: UV-Vis, IR, and AES.
- Synthesis of nanomaterial, metal oxide nanostructures, metal sulfide nanostructures, metal oxide nanocomposite, semiconductors, colloidal materials, mesoporous materials and nano hybrid photo catalyst by verities of methods including Ultrasound irradiation, hydrothermal and sol-gel process.

Publications:

1. Surfaces and Interfaces Journal (2022). <https://doi.org/10.1016/j.surfin.2022.102078>
2. Journal of industrial and engineering chemistry (2020). <https://doi.org/10.1016/j.jiec.2020.01.040>
3. Journal of Cluster Science. (2018). <https://doi.org/10.1007/s10876-017-1326-6>
4. Journal of Nanoparticle Research. (2017). <https://doi.org/10.1007/s11051-017-3939-y>
5. Journal of Porous Materials. (2014) <https://doi.org/10.1007/s10934-013-9763-6>

General Skills:

- Professional analyzer
- ICDL
- Lubricant and Antifreeze certificate
- ISO/IEC 17025 standard, Safety of working with laboratory materials certificate &....
- Upper intermediate in English language

- <https://scholar.google.com/citations?hl=en&user=SbG>