

**FARIDEH
KOLAHDOUZAN**

E-MAIL

f.kolahdouz68@gmail.com

LANGUAGES

Persian : Native language

English : Satisfactory

Arabic : Low level

RESEARCH INTERESTS

- Nanomaterials & their production
- lithium batteries
- Super insulation materials

EDUCATION

2022	PhD. Nano Science and Technology, Institute for Nanoscience and Nanotechnology (INST), Sharif University of Technology, Tehran,Iran
2013 – Dec 2015	M.Sc. Physical Chemistry, University of Kashan, Kashan, Iran 18.61/20 Cumulative GPA Thesis topic : Synthesis of Silica aerogel by Co-precursor method and investigation of its thermal conductivity
2007 - 2012	B.Sc. Applied Chemistry, PNU-public university, Isfahan, Iran

PROFESSIONAL EXPERIENCE

Jan 2016 - present	Fadak Advanced Technology Co. R & D Expert , Quality control supervisor Production of Nano Silica as a thickening and rheological agent in paints and coatings Production of synthetic silica as a reinforcement filler in rubber industry and anticaking agent in agriculture
Dec 2018 - present	Farazpouyan Co. Head of research phase Production of synthetic silica as the matting agent in paints and coatings
Apr 2019 – Sep 2020	Foolad Exir Co. R & D Expert Steel industry waste recovery as red and black pigments
June 2016 - Apr 2019	Fadak Advanced Technology Co. R & D Expert Production of new generation building bricks based on stone industry waste
Dec 2016 - Sep 2018	Fadak Advanced Technology Co. Head of research phase Development of Hydrophobic Nano Silica know-how in laboratory and industrial scale

RESEARCH & PUBLICATIONS

2016	Farideh Kolahdouzan , Zahra Tavangar and Hamideh Kolahdouzan “Physical properties of the ambient pressure dried silica nanoporous aerogel by the co-precursor method”, 19th Iranian Physical Chemistry Confrence, Guilan University, 13-15 Sep 2016.
2011	Maryam Movahhedi, Farideh Kolahdouzan and Akram Hoseynian, “Controlled synthesis of Ag and Au noble nanometals”, Journal of Iranian Nanotechnology Society, 24 (2011) 42-46.

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Farideh Kolahdouzan , Abbas Teimouri “Synthesis of mono-4-methylpiperidiniummethyl-semicarbazide as corrosion inhibitors to reducing industrial wastes”, 5th National Seminar of Chemistry & Environment, Shahid Chamran University of ahvaz, 21-23 Dec 2011.

2011
(Course Project) Investigating positive and negative effects of tea and coffee on human body

2011
(Course Project) Investigating application and production process of Nano-Clay

SKILLS

- Familiar with developing an idea from laboratory scale to industrial scale
- Problem solving based on scientific issues
- Team working and ability to direct a team
- Ability to present an idea or concept (issue)
- Having experience of introducing new scientific products to customers

HONORS AND AWARDS

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|------------------------------------|---|
| Cooperation in patent registration | Production of bricks using stone sludge waste at ambient temperature, Aug 2017
Production of Ultra-fine Iron Oxide based on synthetic iron oxide industrial waste and usage of supersonic hot air atomizer, Jul 2020 |
| Nano festival | Selected innovative plan (Nanomatch Program) in 13th Nano Award Ceremony, Tehran, Iran, Oct 2019. |
| Top student | Ranked 1st among all M.S. students of physical chemistry, University of Kashan, (2013-2015) |
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