

Curriculum Vitae

Name: Sahar Khavari

Gender: Female

Date of Birth: 5, March, 1986

Address: Tehran- West Ferdos Bulvar-South Sazeman
Barnam -Valley central 23- Aria department-unit17

Postal Code: 1489733781

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UNIVERCITY EDUCATION Master of Science (2011-2013)

Chemical Engineering (Thermodynamic and Kinetic) University of Sistan and Baluchestan, Zahedan, Iran.
Major: 17.00

Graduate Courses

Advanced Chemical Engineering Mathematics, Advanced Chemical Reactor Design, Advanced Heat Transfer, Advanced Fluid Mechanics, Advanced Thermodynamics, Heterogeneous Catalyst, Predicting Thermodynamic Properties, Advanced Combustion.

Thesis Title

Design and formulation of industrial Nano catalyst based on alumina - zinc

Supervisors

Pro. Hosein Attashi

Dr. Farshad Farshchi Tabrizi

Bachelor of Science (2004 – 2008)

Chemical Engineering, University of Sistan and Baluchestan, Zahedan, Iran.

Major: 14.57

Thesis Title

Synthesis chitosan Nanoparticle as a drug delivery system

Supervisor

Dr. Mohammad Khoram, Chemical Engineering Department

RESEARCH INTERESTS

- Solar cells and solar energy conversion
- Drug delivery systems
- Modeling of chemical processes
- Catalyst synthesis research

PUBLICATIONS

Journal

- Reinforcement of Chitosan Nanoparticles Prepared by Ionic Cross-linking Process, Khorram Mohammad, Hasanzadeh kafshgari Morteza, Khodadoust Mobina, Khavari Sahar. IPJ-2010-02-5534.R2. 2010-11-07.

Conferences

- Preparation of alpha alumina nanoparticle by Co-precipitation method using by EDTA surfactant. Sahar Khavari, Mohammad Abdollahi, Hossein Atteshi, Farshad Farshchi Tabrizi. In first conference of Industrial Catalyst, Shiraz(Iran), 12-13 February 2013.

- Synthesis of Spherical Nanoparticles Zinc aluminate catalyst by combination of two methods: Oil- Drop & Impregnation. Sahar khavari, Hossein Atteshi, Farshad Farshchi Tabrizi, Mohammad Reza Parvizi. In second International conference of nanotechnology, Esfahan(Iran), 1.March 2014.

RESEARCH EXPERIENCES

- Research on solar energy systems
- Research on synthesis nano biodegradable polymers for using in Medicinal science.
- Catalyst and nano catalyst synthesis research

WORKING Profile:

- R&D employer in Buo ali Sina petrochemical company from 201-2016
- R&D employer in HNT Holding from 2016 until now.

Working Field:

- Design and building solar systems for purifying and heating water
- Synthesizing of nano capsulation polymer for drug delivery systems (By Chitosan and BSA as a Drug)
- Synthesizing of nano catalyst ZnO/Al₂O₃
- Contributing in synthesizing catalyst projects of Buali sina petrochemical complex “Adsorption materials (ZnO/Al₂O₃), Reforming catalyst (Pt-Sn/Al₂O₃), Hydrogenation catalyst (Ni-Mo/Al₂O₃, Pd/Al₂O₃), Hydrodesulphurization catalyst (Co-Mo/Al₂O₃), synthesizing of alumina spherical support by Oil-Drop method.
- Guard (Removing material systems) science in refineries and petrochemicals companies such as: Chloride guard, Heavy metals and purification systems.
- Air purification system

LANGUAGE

- IELTS degree: 6.0 score- Expired
- German language: Basic

COMPUTER KNOWLEDGE

- General: Microsoft Office Suite (Excel, Word, Power)
- Qualitek software
- Chemical Engineering: Aspen Plus & HYSYS
- Programming: Matlab

MEMBERSHIP:

- Iranian SOLAR ENARGY association
- Iranian Nanotechnology international association

Last Update: June 30, 2021