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Address : Dept.of dros, Faculty of Industry and Mining (Khash),
University of Sistan and Baluchestan, Daneshgah Ave., Zahedan,
Iran.

Education

- ✓ B.Sc, Pure Chemistry, Sistan and Baluchestan University - 2004
- ✓ MS, Organic Chemistry, Sistan and Baluchestan University - 2008
- ✓ PhD, Nanomaterials, Universiti Putra Malaysia - 2015
- ✓ PhD, Chemistry, Universiti Putra Malaysia - 2015

Courses

- | | |
|---|------------------------------------|
| 1. general chemistry | 2. Materials Science |
| 3. Research and Technical Presentation | 4. Differential Equations |
| 5. Scientific and Technical Reports | 6. POLYMERS |
| 7. Technical and Scientific Presentation | 8. Thermodynamic |
| 9. Laboratory Chemistry | 10. mabahas |
| 11. numerical methods | 12. special topics 2 |
| 13. General Chemistry1 | 14. Discrete Mathematics |
| 15. Laboratory Chemistry | 16. Calculus 1 |
| 17. Calculus 2 (Vector and Multi variable Calculus) | 18. Physics 1 (Heat and Mechanics) |

Thesis

1. Internet Of Things

[Farahnaz Barahuie], فاطمه پودینه تنیده

نیمسال دوم سال تحصیلی 97-98

2. Cloud Computing

[Farahnaz Barahuie], رحیمه مبارکی مارندگان

نیمسال دوم سال تحصیلی 97-98

3. Book Store Application

[Farahnaz Barahuie], بهزاد گروهی ساردو

نیمسال دوم سال تحصیلی 97-98

4. Book Show

[Farahnaz Barahuie], مهدی نظری

نیمسال اول سال تحصیلی 97-98

Master Thesis

1. NiFe 2O4@THAM-PhSO3H: An Eco-Friendly Solid Acid Nanocatalyst for Synthesis of benzo[b]pyran and poly hydroquinolines

[Nourallah Hazeri, Elham Mir, Farahnaz Barahuie, Ebrahim Mollashahi, Mojtaba Lashkari, Mashaallah Rahmani]

نیمسال اول سال تحصیلی 1403-1404

2. Design and fabrication of hydrophobic polyurethane-titanium oxide-iron oxide nanocomposite layer on metal mesh for effective oil-water separation

[Ghodratollah Roudini, Farahnaz Barahuie, Siti u jila Binti masuri]

نیمسال اول سال تحصیلی 98-99

3. design and fabrication of anode electrode for the improvement of fuel cell performance

[Ghodratollah Roudini, Farahnaz Barahuie, Siti u jila Binti masuri]

نیمسال اول سال تحصیلی 97-98

4. Fabrication and application of phase change material nanocomposites using graphene and sio2 particles as thermal energy storage systems and temperature control in the intelligent buildings

[Ghodratollah Roudini, Farahnaz Barahuie, Siti u jila Binti masuri]

نیمسال اول سال تحصیلی 96-97

5. synthesis of phase change material nanocomposites...

[Ghodratollah Roudini, Farahnaz Barahuie]

نیمسال اول سال تحصیلی 95-96

6. Design and synthesis of phase chang material,n heptadecane nanocomposites using activated carbon and graphite as an effective energy storage systems

[Ghodratollah Roudini, Farahnaz Barahuie]

نیمسال اول سال تحصیلی 95-96

Journals Papers

2024

1. Tannic acid chitosan iron oxide nanocomposite for cervical cancer treatment

Farahnaz Barahuie, Dorniani Dena, Saifullah Bullo, Arulselvan Palanisamy , Hussein Mohd Zobir , Jaga
INORGANIC CHEMISTRY COMMUNICATIONS Volume: (162) 1 - 13

2. Impacts of designed vanillic acid-polymer-magnetic iron oxide nanocomposite on breast cancer cells

Farahnaz Barahuie, Dorniani Dena, Saifullah Bullo, Arulselvan Palanisamy, Hussein Mohd Zobir, Jagana
Heliyon Volume: (10) 1 - 15

2023

3. Design of hydrophobic polyurethane-magnetite iron oxide-titanium dioxide nanocomposites for oil-water separation

Asma Khandanbarani, Ghodratollah Roudini, Farahnaz Barahuie, Siti Ujila Binti Masuri
Heliyon Volume: (9) 1 - 13

4. Evaluation of Chemical, Biochemical and Anti-Microbial Effects of *Salvadora persica* and *Moringa oleifera* Extract to Produce Organic Disinfectant Products

Farahnaz Barahuie, Tahere Dianat, Nazanin Ghaderi nezhad, Mehdi Shahbakhsh, Dor Mohammad Kordi Taman
Archives of Razi Institute Volume: (78) 1379 - 1386

5. Evaluation of phase change material-graphene nanocomposite for thermal regulation enhancement in buildings

Mohadeseh Amirkhani Khabisi, Ghodratollah Roudini, Farahnaz Barahuie, Hamed Sheybani, Muhammad Ibrar
Heliyon Volume: (9) e21699-1 - e21699-15

2021

6. Efficient tetracycline removal from aqueous solutions using ionic liquid modified magnetic activated carbon (IL@MAC)

Bazrafshan Edris, Zarei Amin Allah , Mohammadi Leili, Zafar Muhammad Nadeem , Foroughi Maryam, Aman
Journal of Environmental Chemical Engineering Volume: (9) 1 - 10

7. Thermal energy storage property and temperature control performance of phase change materials eutectic mixture nanocomposite

SEYED MOSTAPHA MUSAVI, Ghodratollah Roudini, Farahnaz Barahuie, Siti Ujila Binti Masuri
micro and nanosystems Volume: (13) 272 - 280

8. Enhanced properties of phase change material -SiO₂-graphene nanocomposite for developing structural-functional integrated cement for solar energy absorption and storage

Seyed Mostapha Musavi, Farahnaz Barahuie, Mohsen Irani, Ali Safamanesh,

RENEWABLE ENERGY Volume: (174) 918 - 927

2020

9. Fabrication and characterization of phase change material-SiO₂ nanocomposite for thermal energy storage in buildings

Samira Golestani ranjbar, Ghodratollah Roudini, Farahnaz Barahuie

Journal of Energy Storage Volume: (27) 101168-1 - 101168-8

2019

10. Effect of protocatechuic acid-layered double hydroxide nanoparticles on diethylnitrosamine/phenobarbital-induced hepatocellular carcinoma in mice

Shafinaz Abd Gani, Suleiman Alhaji Muhammad, Aminu Umar Kura, Farahnaz Barahuie, Mohd Zobir Huss

PLoS One Volume: (14) 1 - 24

11. Activated carbon derived from pine cone as a framework for the preparation of n-heptadecane nanocomposite for thermal energy storage

Dariush Sarabandi, Ghodratollah Roudini, Farahnaz Barahuie

Journal of Energy Storage Volume: (24) 100795-1 - 100795-8

2018

12. Graphene Oxide-PEG-Protocatechuic Acid Nanocomposite Formulation with Improved Anticancer Properties

Bullo Saifullah, Kalaivani Buskaran, Rabia Baby Shaikh, Farahnaz Barahuie, Sharida Fakurazi, Mohd Ar

Nanomaterials Volume: (8) 1 - 15

2017

13. Graphene oxide as a nanocarrier for controlled release and targeted delivery of an anticancer active agent, chlorogenic acid

Farahnaz Barahuie, Bullo Saifullah, Dena Dorniani, Sharida Fakurazi, Mohd Zobir Hussein, Govindaraja

MATERIALS SCIENCE ENGINEERING C-BIOMIMETIC MATERIALS SENSORS AND SYSTEMS Volume: (74) 177 - 185

14. Sustained release of anticancer agent phytic acid from its chitosan-coated magnetic nanoparticles for drug-delivery system

Farahnaz Barahuie, Dena Dorniani, Saifullah Bullo, Sivapragasam Gothai, Mohd Zobir Hussein, Ashok Ku

International Journal of Nanomedicine Volume: (Volume 12) 2361 - 2372

2016

15. Graphene Oxide-Gallic Acid Nanodelivery System for Cancer Therapy

Dena Dorniani, Bullo Saifullah, Farahnaz Barahuie, Palanisamy Arulselvan, Mohd Zobir Bin Hussein, Sh
Nanoscale Research Letters Volume: (11) -

16. Controlled <I>In Vitro</I> Release of the Anticancer Drug Chlorogenic Acid Using Magnesium/Aluminium-Layered Double Hydroxide as a Nanomatrix

Farahnaz Barahuie, Mohd Zobir Hussein, Palanisamy Arulselvan, Sharida Fakurazi, Zulkarnain Zainal
Science of Advanced Materials Volume: (8) 501 - 513

2015

17. Synthesis of protocatechuic acid-zinc/aluminium-layered double hydroxide nanocomposite as an anticancer nanodelivery system

Farahnaz Barahuie, Mohd Zobir Hussein, Shafinaz Abd Gani, Sharida Fakurazi, Zulkarnain Zainal
JOURNAL OF SOLID STATE CHEMISTRY Volume: (221) 21 - 31

2014

18. Development of Drug Delivery Systems Based on Layered Hydroxides for Nanomedicine

Farahnaz Barahuie, Mohd Zobir Hussein, Sharida Fakurazi, Zulkarnain Zainal
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: (15) 7750 - 7786

19. Drug delivery system for an anticancer agent, chlorogenate-Zn/Al-layered double hydroxide nanohybrid synthesised using direct co-precipitation and ion exchange methods

Farahnaz Barahuie, Mohd Zobir Hussein, Palanisamy Arulselvan, Sharida Fakurazi, Zulkarnain Zainal
JOURNAL OF SOLID STATE CHEMISTRY Volume: (217) 31 - 41

20. Anticancer nanodelivery system with controlled release property based on protocatechuate-zinc layered hydroxide nanohybrid

Farahnaz Barahuie, Mohd Zobir Hussein, Shafinaz Abd Gani, Sharida Fakurazi, Zulkarnain Zainal
International Journal of Nanomedicine Volume: (9) 3137 - 3149

2013

21. Preparation and controlled-release studies of a protocatechuic acid-magnesium/aluminum-layered double hydroxide nanocomposite

Farahnaz Barahuie, Mohd Zobir Hussein, Samer Hussein-Al-Ali, Palanisamy Arulselvan, Sharida Fakurazi
International Journal of Nanomedicine Volume: (8) 1975 - 1987

22. Development of the Anticancer Potential of a Chlorogenate-Zinc Layered Hydroxide Nanohybrid with Controlled Release Property Against Various Cancer Cells

Farahnaz Barahuie, Mohd Zobir Hussein, Palanisamy Arulselvan, Sharida Fakurazi, Zulkarnain Zainal
Science of Advanced Materials Volume: (5) 1983 - 1993

Conferences Papers

2021

1. Fabrication of hydrophobic polyurethane-titanium oxide-iron oxide nanocomposite for oil-water separation

Third international conference technology development in chemical engineering

Asma Khandanbarani, Ghodratollah Roudini, Farahnaz Barahuie

2. Fabrication of hydrophobic polyurethane-titanium oxide-iron oxide nanocomposite for oil-water separation

Third International Conference on Technology Development in Chemical Engineering,

Asma Khandanbarani, Ghodratollah Roudini, Farahnaz Barahuie

2020

3. Fabrication , characterization and anticancer studies of a novel magnetite nanoparticle PEG protocatechuic acid nanocomposite

8th International Conference on Nanostructures

Farahnaz Barahuie, Dena Dorniani, Palanisamy Arulselvan , Bullo Saifullah, Mohd Zobir Hussein, Aminu Umar Kura

4. In Vitro Sustained Release Study of chlorogenic acid coated with magnetite nanoparticles chitosan and magnetite nanoparticles PEG for Drug Delivery System

8th International Conference on Nanostructures

Mohd Zobir Hussein, Farahnaz Barahuie, Dena Dorniani, Bullo Saifullah, Palanisamy Arulselvan , Aminu Umar Kura

2018

5. Activated carbon derived from pine cone as a framework for the preparation of n-heptadecane nanocomposite for thermal energy storage medium

The 7th international conference on materials engineering and metallurgy

Dariush Sarabandi, Ghodratollah Roudini, Farahnaz Barahuie

6. N-heptadecane- graphene nanocomposite for energy conversion and storage

7th international conference on materials engineering and metallurgy

Mohadeseh Amirabadi Khabisi, Farahnaz Barahuie, Hamed Sheybani, Ghodratollah Roudini

2017

7. Protocatechuic acid loaded chitosan coated iron oxide nanoparticles for cancer therapy

Nanomedicine Healthcare

Farahnaz Barahuie

2014

8. Protocatechuic acid-magnesium/aluminium-layered double hydroxide nanocomposite as anticancer delivery agent

Invention, Research Innovation Exhibition

Farahnaz Barahuie

9. Synthesis of protocatechuic acid-zinc/aluminium layered double hydroxide nanocomposite as an anticancer nanodelivery system

Internatinal Conference on Advanced Materials and Nanotechnology

Farahnaz Barahuie

10. Controlled in vitro release of the anticancer drug protocatechuic acid using zinc/aluminium-layered double hydroxide as a nanomatrix

International conference on chemical, biological and environmental science

Farahnaz Barahuie

11. Cancer Nanotechnology

The 6th Nanotechnology cancer Asia-pacific (NCAP) Network Meeting, Healthcare session I of APAN 37th Video Conferencing meeting

Farahnaz Barahuie

2013

12. In Vitro Controlled Release of an Anticancer Drug, Chlorogenic Acid using Magnesium/Aluminium Layered Double Hydroxide as Nanomatrix

International Conference on Engineering and Applied Sciences

Farahnaz Barahuie, Mohd Zobir Hussein, Zulkarnian Zainal, Arulselvan Palanisamy, Fakurazi Sharida

Executive activities

معاون آموزشی دانشکده صنعت و معدن خاش

from 1402/04/07 - to 1403/02/16

معاون آموزشی دانشکده صنعت و معدن خاش

from 1398/11/15 - to 1401/02/28

Research Project

2024

2021
