

# Bahaaldin

# Rashidzadeh



## Contact

### Address:

Iran, Kordestan, saghez, shohada  
av, Abobakr ally No:59

### Phone:

+98 8736211270  
+989185472298

### Email:

[baharashidzadeh56@gmail.com](mailto:baharashidzadeh56@gmail.com)  
[b\\_rashidzadeh@pnu.ac.ir](mailto:b_rashidzadeh@pnu.ac.ir)

## Languages

Persion – A1

Kurdish – A1

English – B

## Skill Highlights

Specializing in spectroscopy, living polymerization, nanocomposites and photocatalysts, water treatment and industrial effluent

- living polymerization
- photocatalysts
- spectroscopy
- nanocomposites
- water treatment
- industrial effluent

## Experience

- Project Manager Ceramic Coatings 2002
- Holy Military Service – Tehran 2002-2004
- Quality Control Manager of Paksho Company 2002-2004
- Quality Control Manager of Pakshoo Company in Urmia 2004-2005
- Manager of Pakshiva Chemical Manufacturing Company 2005-2006
- Director of Chemistry Department of Payam Noor Saeqz University
- Member of the National Elite Foundation of Kurdistan Province
- Member of Iranian Chemical Society
- President of Payame Noor Baneh University from 20015 to now
- Faculty member in Department of Chemistry, Payame Noor University

## Education

Bachelor of Science: **Pure chemistry** – 2000 Razi University

Master of Science: **organic chemistry** -2002 Tabriz university

PH.D: **Organic chemistry** – 2014 Mashhad payame Noor University

## Publication:

1. Compilation of **self-repairing materials**, Published by Iran Science Publications, ISBN number 2-70-2750-964-978
2. Translation of the book **Natural product**, Printed by Academic Jihad, ISBN Number 4-173-318-600-978
3. Optimum Temperature and Thermal Stability of Crude Polyphenol Oxidase in Green Small Cherry Tomato (Solanum Lycopersicum), Intl. Res. J. Appl. Basic. Sci. Vol., 4 (11), 3306-3311, 2013
4. One-pot synthesis of m-terphenyl-2'-carbaldehydes, ARKIVOC 2008 (xvii) 167-172
5. Investigation of Activity of Partial Purified Polyphenol Oxidase in Wild Pears (Pyrus Communis) in Presence of Sodium Dodesyl Sulphate, Agriculture Science Developments, 2(10) October 2013, Pages: 96-101
6. The Characteristics of Polyphenol Oxidase in Small Cherry Tomato Cultivated in Kurdistan of Iran (Solanum lycopersicum), Acta Hort. 939, ISHS 2012.

7. Effect of Sodium dodecyl sulphate on partial purified polyphenol oxidase activity in Red and Green tomatoes (*Solanum Lycopersicum*) Int J Adv Biol Biom Res. 2013; 1(7):691-700
8. KINETICS OF GUAIACOL PEROXIDASE OF BLACK BLUEBERRY (*MORUS NIGRA*), DAV International Journal of Science Volume-5, Issue-1 January 2016
9. Versatile Method via Reversible Addition-Fragmentation Transfer Polymerization for Synthesis of Polystyrene/ZnO–Nanocomposite POLYMER ENGINEERING AND SCIENCE—2016
10. Synthesis and Characterization of Poly Chloromethylstyrene TiO<sub>2</sub>-Nanocomposite Through a Simple Method via Reversible Addition-Fragmentation Transfer Polymerization  
Polymer-Plastics Technology and Engineering, 53: 1150–1159, 2014
11. Versatile method for synthesis of electrically conductive polypyrrole polystyrene clay nanocomposites using ATRP and chemical polymerization methods, Journal of Experimental Nanoscience, 2014, doi.org/10.1080/17458080.2014.910617
12. Partial purification and characterization of cresolase and catecholase activity of Black mulberry (*Morus nigra*), Iranian Chemical Communication 7 (2019) 200-211.
13. Preparation and characterization of antibacterial magnetic-/pH-sensitive alginate/Ag/Fe<sub>3</sub>O<sub>4</sub> hydrogel beads for controlled drug release --International Journal of Biological Macromolecules Volume 1541 July 2020 Pages 134-141

## Conferences:

### **4th International Conference on Nanostructures (2012 kashan-Iran)**

**Synthesis of Brominated polystyrene (Br-PS)-poly(methyl methacrylate)(PMMA) nano composite by ATRP and NMRP**

**Synthesis of polystyrene – clay nanocomposite via living radical polymerization**

### **20<sup>th</sup> Iranian Conference on Organic Chemistry (2013-Hamadan-Iran)**

Synthesis and Characterization of Polystyrene–Clay Nanocomposites via RAFT Polymerization

### **21<sup>th</sup> Iranian Conference on Organic Chemistry (2014-Ilam-Iran)**

Synthesis and characterization of 4-silica chloromethyl styrene core-shell

### **22<sup>th</sup> Iranian Conference on Organic Chemistry (2014-Tabriz-Iran)**

Versatile method for preparation of (4-chloro methyl styrene-g-styrene)/ZnO nanocomposite via RAFT polymerization

Synthesis and characterization of poly (chloro methyl styrene-g-styrene) via NMRP living radical polymerization

### **5th International Conference on Nanostructures (Kish island-2014)**

Synthesis and characterization of titania –paraulfonic polystyrene core-shell nanocomposite via RAFT polymerization

### **13<sup>th</sup> NATIONAL CHEMISTRY CONFERENCE OF PAYAME NOOR UNIVERSITY Hamadan (2016)**

Study on removal of methylene blue from aqueous solution using grapheme oxide-g-PAM in presence magnetic photocatalyst montmorillonite nanoparticle.

Design and manufacture of heterocatalyzed hybrid adsorbent reactor to remove dye Basic blue 41

### **14<sup>th</sup> NATIONAL CHEMISTRY CONFERENCE OF PAYAME NOOR UNIVERSITY Ilam (2017)**

Facile synthesis of magnetic alginate/ graphene oxide (MAG) beads and its use to removal of heavy metal from aqueous solution

Study on removal of methylene blue from aqueous solution using magnetic Graphene oxide-g-PAM/ Montmorillonite (MGPM) nanocomposites as superabsorbent

## **15<sup>th</sup> NATIONAL CHEMISTRY CONFERENCE OF PAYAME NOOR UNIVERSITY Ardabil (2018)**

Synthesis of Starch-g-poly(Acryamide-co-Acrylicacid)/ Graphene Oxide nanocomposite as a superabsorbent for removal of heavy metals

Synthesis of Cellulose-g-polyAcryamide/Graphene Oxide (CAGO) nanocomposite as a superabsorbent for removal of methylene blue in aqueous solution

Application of Electrodes Modified with CuO Nanoparticles and Yellow alizarine polymer for Simultaneous Oxidation and reduction of hydrogen peroxide by Electrochemical Method

## **Thesis**

- 1. Synthesis and characterization of cross linked natural polymers and investigation of their drug delivery properties(Hadi hoseini)**
- 2. Synthetic study and thermal stability of the polyphenol oxidase enzyme in the Kurdistan Regional strawberries(Sara mohamadi)**
- 3. preparation of conductive blends of polyaniline-cellulose and investigation of their electrochemical activity threshold(Seyran salimi)**
- 4.**
- 5. synthesis and characterization of poly chloromethyl styrene / Iron oxide(III) and zinc oxide nanocomposite via nitroxide mediated radical polymerization(begard yosefzadeh)**
- 6. Synthesis characterization of polymethyl methacrylate-TiO<sub>2</sub> nanocomposites by surface-initiated RAFT polymerization method(Ramyar Kameleh)**
- 7. Synthesis and Characterization of Electrical Conductive Poly Styrene -Graft- Poly Pyrrole Copolymer Nanocomposite via Electrochemical , Chemical and Controlled Free Radical Polymerization(Hasan Bahrami)**
- 8. Synthesis of Cellulose-g-polyacrylamide/graphene oxide (CAGO) nanocomposite as a superabsorbent for removal of methylene blue in aqueous solution (Esmail sharif)**
- 9. Facile study development of preparation graphene oxide/starch nanocomposite for removed heavy metal from aqueous solution(Zahra Salehi)**
- 10. application of electrodes modified with CuO nanoparticles and yellow alizarin polymer for simultaneous oxidation and reduction of hydrogen peroxide by electrochemical method(Nasrin Amanollahi)**
- 11. Effects of iron nanoparticles on polyphenol oxidase enzyme in solanum tuberosum(Shiwa Piri)**
- 12. Isolation and identification of chemical compounds in Rosa canina L. extract from Kurdistan area(Loghman Ketabi)**
- 13. Synthesis and characterization of graphene-TiO<sub>2</sub>-Fe<sub>3</sub>O<sub>4</sub> nanocomposite doped with alginate and evaluation of its photo-magnetic property in removing pigments (Parisa Hoseini)**
- 14. Synthesis and characterization of nano-composite hydrogel based on nano bead chitosan in the presence of nanoparticles (Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub>@Ag) and its use to study the absorption of Vitamin B<sub>12</sub> (Ahmad Rahmanpaah)**

- 15. The use of magnetic beads of alginate –graphene oxide to remove Zn<sup>2+</sup> and Cd<sup>2+</sup> cation in aqueous solution (Fermisk Hoseini)**
- 16. Preparation and characterization of superabsorbent chitin-acrylic acid /graphene oxide hydrogel nanocomposite (Neda Saiadi)**
- 17. Preparation and characterization of Cu/Fe<sub>3</sub>O<sub>4</sub>/TiO<sub>2</sub>/Kaolin photocatalyst for the degradation of organic dye from aqueous solution in the presence of sunlight (Sadaf Khandani)**
- 18. Preparation and characterization of Ag/Fe<sub>3</sub>O<sub>4</sub>/ZnO/Bentonite photocatalyst for the degradation of organic dye from aqueous solution in the presence of sunlight (Ghazal Razmian)**