

## CV



**Mirabdullah Seyed Sadjadi,  
Professor of Chemistry**

Dept of Chemistry, Sciences and Research Branch  
Islamic Azad University,  
Tehran 19781735513 Iran;  
E-mail: [m.s.sadjad@gmail.com](mailto:m.s.sadjad@gmail.com)

### **Introducing**

He was graduated from Ecole Normal Superior, Tehran, Iran and Sciences and Techniques University of Montpellier, French (1963, 1973). His training activities has been continued at the university of Paris VI during 1978-1979 and California Institute of Technology, USA on 1995-1996. He has now more than 45 years experiences in teaching and research activities in the Tabriz, Shahid Beheshty Tehran and Science and Tehran Research branch of Islamic Azad University, Tehran Iran universities. He was supervisor of more than forty eight MS and PhD research thesis in Tabriz, Shahid Beheshti and Science and Research Branch of Islamic Azad Universities.

He was invited and attended in different International conferences and symposium around the world to give oral or poster presentations. He is currently head of a new knowledge based research company named Baharan Green Flowers investigating on the new methods in the synthesis, characterization and developments of nano-biomaterials for using as drug carriers in drug delivery and drug release systems.

### **His main field of investigations are:**

- Preparation of ultrafine magnetic nanoparticles for biomedicine applications.
- Synthesis, structural and optical characterization of core-shell semiconductors nanoparticles for biomedicine applications.
- Preparation and characterization of biocompatible new nanoceramics for in situ activation of osteoblast, osteoclast.
- Preparation and characterization of HA by polyelectrolyte modified inverse micro emulsion method for production of new drug carriers.

### **Publications during 2007-2020**

1. **M.S. Sadjadi** , A. Pourahmad, Sh. Sohrabnezhad, K. Zare , Formation of NiS and CoS semiconductor nanoparticles inside mordenite-type zeolite, Materials Letters, 61(2007) 2923-2926.

2. Shabnam Sohrabnezhad, Afshin Pourahmad, **Mir Abdollah Sadjadi**. New methylene blue incorporated in mordenite zeolite as humidity sensor; *Materials Letters*, 61(2007) 2311-2314.
3. **M.S. Sadjadi**, N. Farhadyar, K. Zare. Ab initio and natural bond orbital (NBO) study on the strain energy of chlorocyclotrisilane and chlorocyclopropane, *THEOCHEM*, 814(2007)141-145.
4. **Mirabdullah S. Sadjadi**, Babak Sadeghi, K. Zare, Natural bond orbital (NBO) population analysis of cyclic thionylphosphazenes, [NSOX (NPCl<sub>2</sub>)<sub>2</sub>]; X=F (1), X=Cl (2), *THEOCHEM*, 817(2007) 27-33.
5. Sh. Sohrabnezhad, A. Pourahmad, **M.S. Sadjadi**, M.A. Zanjanchi, Growth and characterization of NiS and NiCoS nanoparticles in mordenite zeolite host *Materials Science and Engineering C*, 28 (2008) 202-205.
6. Sh. Sohrabnezhad, A. Pourahmad, **M.S. Sadjadi**, Prepn and characterization of host (mesoporous aluminosilicate material)-guest (semiconductor nanoparticles) nanocomposite materials; *Materials Letters*, 62(2008) 655-658.
7. Sh. Sohrabnezhad, A. Pourahmad, **M.S. Sadjadi**, B. Sadeghid, Nickel cobalt sulfide nanoparticles grown on AlMCM-41 molecular sieve, *Physica E-40*(2008) 684-688.
8. **M.S. Sadjadi**, K. Zare. S. Khanahmad, M. Enhessari, Structural characterization of Ni TiO<sub>3</sub> nanopowders prepared by stearic acid gel method, *Material letters*, 62 (2008) 3679-3681.
9. **M.A.S. Sadjadi**, Babak Sadeghi, M. Meskinfam, K. Zare, J. Azizian, Synthesis and characterization of silver nanorods in polyvinylalcohol (PVA), *Physica E*, Vol.40 (2008) 3183-3186.
10. B. Sadeghi, **M.S. Sadjadi**, A. Pourahmad, Effects of protective agents (PVA & PVP) on the formation of silver nanoparticles. *IJNN*, Vol 4, No. 1, December (2008).
11. **Mirabdullah Seyed Sadjadi**, Amin Ebadi, Karim Zare, Vahid Amani and Hamidv Reza Khavas  $\square\square\square$ -2,3,5,6 -tetra- pyridylpyracine-K,N,N.... *Acta Crystallographica Section E*(1050-1051) 2009.
12. **M. S. Sadjadi** and N. Farhadyar, Preparation and characterization of the hydrophilic nanocomposite coatings based on epoxy resin and titanate on the glass substrate, *J. Nanosci. Nanotechnol.* 9, 1172-1175 (2009).
13. **M. S. Sadjadi**, N. Farhadyar, and K. Zare, Biocatalytic activity of fungal protease on silver nanoparticle-loaded zeolite X microspheres *J. Nanosci. Nanotechnol.* 9, 1365-1368 (2009).
14. **M.S. Sadjadi**, N. Farhadyar, K. Zare , Synthesis of nanosize MCM-41 loaded with TiO<sub>2</sub> and study of its photocatalytic activity, *journal of superlattice and microstructure*, 46(2009) 266-271.
15. **M.S. Sadjadi**, N. Farhadyar, K. Zare, Improvement of the alkaline protease properties via immobilization on the TiO<sub>2</sub> nano particles supported by mesoporous MCM-41, *journal of superlattice and microstructure*, 46 (2009) 77-83.
16. **M.S. Sadjadi**, N. Farhadyar, K. Zare, Synthesis of bi-metallic Au-Ag nanoparticles loaded on the functionalized MCM-41 for immobilization of alkaline protease and study of its biocatalytic activity, *Superlattices and Microstructures* 46 (2009) 563-571.

17. **M.S. Sadjadi**, N. Farhadyar, K. Zare, Preparation and characterization of the transparent nanocomposite mirror coating based on SiO<sub>2</sub>-Ag/PVP film on the glass substrate, journal of superlattice and microstructure, 46 (2009) 483-489.
18. Babak Sadeghi, **M.A.S. Sadjadi**, R.A.R. Vahdati,, Nanoplates controlled synthesis and catalytic activities of silver nanocrystals, Superlattices and Microstructures 46 (2009) 858\_863.
19. N. Farhadyar , **M. S. Sadjadi** and K.Zare, Increasing photocatalytic activity of the TiO<sub>2</sub> coated on Synthesized nanosized ZSM-5, Special Issue of Research Journal of Chemistry and Environment, (2009) P303-306
20. **M.S. Sadjadi**, M. Enhessari, N. Farhadyar and K. Zare, Wet chemistry synthesis of stoichiometric barium strontium Titanate nanorods, Ba<sub>1-x</sub>Sr<sub>x</sub>TiO<sub>3</sub> (BST) through acetic acid gel(AAG) technique Research Journal of Chemistry and Environment, (2009) P307-310.
21. K. Zare, M.S. Sadjadi, M. Enhessari, S. Hanahmadzadeh, Synthesis and Characterization of PbTiO<sub>3</sub> Nanopowders by Citric Acid Gel Method, Journal of Physical and Theoretical Chemistry, 6(1) 2009,9-12.
22. **Mirabdullah S. Sadjadi**, Amin Ebadi and Karim Zare, Oxidation of alcohols with tert-butylhydroperoxide catalyzed by nano-sized  $\gamma$ -alumina supported metallophthalocyanines, Reac Kinet Mech Cat, 91 (2010) 119-124.
23. **M. S. Sadjadi** ,H.R. Ebrahimi Afarani and K. Zare, High temperature synthesis and characterization of Hydroapatite Doped with Silver Nanoparticles, Asian Journal of Chemistry 22,1,(2010), 641-645
24. **M. S. Sadjadi** , M. Mozaffari, M. Enhessari, K. Zare, Effects of NiTiO<sub>3</sub> nanoparticles supported by mesoporous MCM-41 on photoreduction of methylene blue under UV and visible light irradiation, Superlattices and Microstructures 47 (2010) 685-694
25. **M. S. Sadjadi**, M. Meskinfam, H. Jazdarreh, K.Zare, 'In situ biomimetic synthesis, characterization and in vitro investigation of bone like nanohydroxyapatite in starch matrix, Materials Chemistry and Physics, 124 (2010) 217–22
26. Mohammad reza Foroughi, Saeed Karbasi, **Mir Abdollah Seyed Sajadi**, Novel Sol–Gel Synthesis and Characterization of Nanostructured Hydroxyapatite Powder, Journal of Materials Science, Vol. 2, No. 1,(2010) 36-44.
27. **M. Sadjadi**, H. Mossalayi, K.Zare, A Facile Method to prepare Ag<sub>2</sub>S/SiO<sub>2</sub> Nanocomposite with predictable Morphologies, World Applied Sciences Journal8(6) (2010), 714-718.
28. M.A.S. Sadjadi, M. Meskinfam, M. Giahi, H. Jazdarreh, In situ biomimetic synthesis and characterization of bone-like nanohydroxyapatite in starch matrix, Proceeding of 3rd conference on Nanostructures (NS 2010).
29. **M.A.S. Sadjadi**, M. Meskinfam, B. Sadeghi, H. Jazdarreh, K. Zare, In situ biomimetic synthesis and characterization of nano hydroxyapatite in gelatin matrix, Journal of biomedical nanotechnology(JBN), Vol, 7 (2011) 450-454
30. N. Farhadyar , **M. S. Sadjadi**, Preparation of nanosized ZnO on the hollow silica and study of photocatalytic activity of it, Journal of biomedical nanotechnology (JBN), 11 (2011) 1-6.

31. N. Farhadyar , **M. S. Sadjadi**, Fabrication of core-shell nanowire of Gold -TiO<sub>2</sub> and study of it's photocatalytic activity, JNN, Vol. 11, (2011) 9304–9309,
32. MS Sadjadi, F Fathi, N Farhadyar, Synthesis and characterization of PVP coated ultra small Fe<sub>3</sub>O<sub>4</sub> nanowires, RESEARCH JOURNAL OF CHEMICAL ENVIRONMENT 15 (2), (2011) 873-876
33. **Sadjadi MirAbdollah Seyed**, Akhavan kobra, Zare K., Preparation of Hydroxyapatite Nanoparticles by Reverse Microemulsions and Polyelectrolyte-Modified Microemulsions, Res.J.Chem.Envirion,. Vol.15 (2) June (2011) 959-962.
34. Farhadyar N. and **Sadjadi M.S.**, Preparation and characterization of nano-sized zinc oxide loaded on hollow SiO<sub>2</sub> and study of photocatalytic activity, Res.J.Chem.Envirion, Vol.15 (2) June (2011) 466-470.
35. **Sadjadi M. S.**, Azimi A., Zare K., Synthesis and Characterization of ZnO nanorods by Acrylamide Gel Method (AGM), Res.J.Chem.Envirion, Vol.15 (2) June (2011) 856-859.
36. **Sadjadi MirAbdollah Seyed**, Akhavan kobra and Zare K., Growth of Hydroxyapatite nanoparticles in polyelectrolyte-modified microemulsions Res.J.Chem.Envirion, Vol.15 (2) June (2011) 856—859.
37. **Sadjadi M. S.**, Fathi F. Farhadyar N. and Zare K. Synthesis and characterization of PVP coated ultra small Fe<sub>3</sub>O<sub>4</sub> Nanoparticle, Res.J.Chem.Envirion, Vol.15 (2) June (2011) 873-875.
38. N. Farhadyar and **M. Sadjadi**, Fabrication and Characterization of Gold–TiO<sub>2</sub> Core–Shell Nanowire for Immobilization of Alkaline Protease, Journal of Biomedical Nanotechnology. Volume 7, Number 3, June (2011), pp. 466-470.
39. M. Meskinfam<sup>1</sup> \*, **M. A. S. Sadjadi<sup>2</sup>**, H. Jazdarreh<sup>1</sup>, and K. Zare, Biocompatibility Evaluation of Nano Hydroxyapatite–Starch Biocomposites. Journal of Biomedical Nanotechnology. Volume 7, Number 3, June (2011), pp. 455-459.
40. **M. S. Sadjadi**, N. Farhadyar, and K. Zare, Preparation of Core–Shell ZnO–SiO<sub>2</sub> Nanowires–Nanotubes for Immobilization of the Alkaline Protease Enzyme, Journal of Nanoscience and Nanotechnology Vol. 11, 11, (2011). 9304–9309.
41. **M.S. Sadjadi**, H.R. Ebrahimi, M. Meskinfam, K. Zare, Silica enhanced formation of hydroxyapatite nanocrystals in simulated body fluid (SBF) at 37 °C , Materials Chemistry and Physics 130 (2011) 67–71.
42. Nazanin Farhadyar, **Mirabdollah Seyed Sadjadi**, Synthesis and Characterization of ZnO–SiO<sub>2</sub>/Epoxy Nanocomposite Coating by Sol-gel Process, Journal of Nano Research Vol. 16 (2011) pp 1-7.
43. M.S. Sadjadi, F. Fathi, N. Farhadyar, K. Zare, Synthesize and Characterization of Multifunctional Silica Coated Magnetic Nanoparticles using Polyvinylpyrrolidone (PVP) as a mediator Journal of Nano Research Vol. 16 (2011) pp 43-48.
44. M. Meskinfam, M. S. Sadjadi, H. Jazdarreh, Biomimetic Preparation of Nano Hydroxyapatite in Gelatin–Starch Matrix, World Academy of Science, Engineering and Technology 76 (2011)
45. M. Meskinfam \*, M.S. Sadjadi , H. Jazdarreh, In vitro bioactivity behaviour of Hydroxyapatite -gelatin nano biocomposites, Journal of Nanostructure in Chemistry 2 (1) (2011) 1-7

46. Kobra Akhavan, **Mirabdullah seyed sadjadi**, Formation of Needle Like Hydroxyl Apatite by Polyelectrolyte-modified Inverse Microemulsion Technique, *Int. J. Bio-Inorg. Hybd. Nanomat.*, Vol. 1, No. 1 (2012), 59-65
47. M. Meskinfam, **M. S. Sadjadi**, H.Jazdarreh, Synthesis and characterization of surface functionalized nanobiocomposite by nanohydroxyapatite, *World Academy of Science, Engineering and Technology* 62 (2012) 1995-1998.
48. Nazanin Farhadyar, **Mirabdollah Seyedsadjadi**, Synthesis and Characterization of the Gold-SiO<sub>2</sub> Core shell Nanoparticle on the...Defect and diffusion *Forum* 326-328(2012) ,93-98.
49. **M. S. Sadjadi**, N. Farhadyar, and K. Zare, Synthesis of ZnS/SiO<sub>2</sub> core-shell ,,Defect and Diffusion *Forum* 326-328 (2012) 238-242.
50. R. Mohammadinasab, M. Tabatabaee and **M. A. Seyed Sadjadi**, The Effect of Hydrogen Bonding and  $\pi$  - $\pi$  Stacking to Stabilization of 3D Networks of..., *J. Phys. Theor. Chem. IAU Iran* , 9(2) (2012): 61-66
51. Shankar Lal Gargh<sup>1</sup>, Majid Mozaffari<sup>2</sup>, **Mirabdullah Seyed Sadjadi** ....., Synthesis and characterization of B<sub>2</sub>O<sub>3</sub>.... *Int J. Bio-Inorg Hybd. nanomat.*, Vol. I, No. 3 (2012), 183-192
52. **Mirabdullah Seyed Sadjai\***, Abdolazim Azimi, Nasibeh Mollahasani, Faranak Asgari, Room temperature ferromagnetism in cobalt doped ZnO nanoparticles , *Int. J. Bio-Inorg. Hybd. Nanomat.*, Vol. 1, No. 2 (2012), 123-130.
53. N. Molahasani , M.S. Sadjadi, Room temperature Ferromagnetism in Cobalt doped ZnO , *JBHIN*, 1, 2 (2012) 111-118.
54. AGHABEYGI, SHOKUFEH; **SADJADI, MIRABDOLAH S.**; FARHADYAR, NAZANIN, Synthesis and Characterization of Nanocomposite ZnO on SiO<sub>2</sub> Glass by Sol-Gel Method, *Asian Journal of Chemistry*;2012, Vol. 24 Issue 11, p5047
54. S. Rostamzadehmansoor, **M. S. Sadjadi**, \*K. Zare, An investigation on synthesis and magnetic properties of nanoparticles of Cobalt Ferrite coated with SiO<sub>2</sub>, *Int. J. Nano Dimens.* 4(1): 51-56, Summer (2013) ISSN: 2008-8868.
55. S. Rostamzadehmansoor, **M.S. Sadjadi**, K. Zare, N. Farhadyar, Preparation of Ferromagnetic Manganese Doped Cobalt Ferrite –Silica Core Shell Nanoparticles for Possible Biological Application, *Defect and Diffusion Forum Vols.* 334-335 (2013) pp 19-25.
56. **Sadjadi Mirabdollah Seyed** and Mashayekhi Parivash, The effect of Copper Concentration on Morphology of Copper - PVP Nanostructured Composites, *Res.J.Chem.Environ*, Vol.17 (10) october (2013)106-110.
57. N. Molahasani, **M. S. Sadjadi**, \*K. Zare, Correlation of morphology and luminescent properties of ZnO nano particles to different surfactants via hydrothermal method, *Int. J. Nano Dimens.* 4(2):( 2013) 161-166.

58. **M.S. Sadjadi**, A. Sharafi and N. Farhadyar, Preparation of Surface Modified Fe<sub>3</sub>O<sub>4</sub> Nanostructures via Inverse Micelle Method and Study of their Magnetic Properties for Biological Applications, *Journal of Nano Research* Vol. 21 (2013) pp 37-42
59. Karim Zare, Nasibeh Molahasani, N. Farhadyar, **M.S. Sadjadi**, Enhanced Blue Green Emission of ZnO Nanorods Grown by Hydrothermal Method, *Journal of Nano Research* Vol. 21 (2013) pp 43-49
60. Nazanin Farhadyar, **M.S. Sadjadi**, Farzad Farhadyar, Ali Farhadyar, Wet Chemistry Synthesis of Semiconductor Gold/Cu<sub>1.96</sub>S Nanorod and Study of its Photoluminescence Properties, *Journal of Nano Research* Vol. 21 (2013) pp 51-56.
61. **Mirabdullah Seyedsadjadi\***, Parissa Mashayekhi, The Effect of Polyvinylpyrrolidone on the Formation of Copper Nanoplates in Wet-Chemical Reduction Method, *Int. J. Bio-Inorg. Hybd. Nanomat.*, Vol. 1, No. 4 (2013), 209-214.
62. Somayyeh Rostamzadehmansour<sup>1</sup>\*, **Mirabdullah Seyedsadjadi**<sup>2</sup>, Kheyrollah Mehrani<sup>3</sup>, An Investigation on Synthesis and Magnetic Properties of Manganese Doped Cobalt Ferrite Silica Core-Shell Nanoparticles for Possible Biological Application, *Int. J. Bio-Inorg. Hybd. Nanomat.*, Vol. 2, No. 1 (2013), 271-280.
63. S. Rostamzadehmansoor, **M. S. Sadjadi**<sup>1,\*</sup>, K. Zare<sup>1</sup>, An investigation on synthesis and magnetic properties of nanoparticles of Cobalt Ferrite coated with SiO<sub>2</sub>, *Int. J. Nano Dimens.* 4(1) (2013) 51-56, Summer.
- 64.
65. **Mirabdollah Seyedsadjadi**<sup>1,a</sup>, Seyed Ebramim Babaei<sup>1</sup>, Preparation of Surface modified Magnetic Iron Oxide Nanoparticles and study of their colloidal behavior, *Int. J. Nano Dimens.* 5(3) (2014) 279-284, Summer.
66. Sadjadi Mirabdullah Seyed\* and Babaei Seyed Ebrahim, Size and Shape Controlled Synthesis and Characterization of Superparamagnetic Iron Oxide Nanoparticles by Co-Precipitation Method, *Res. J. Chem. Environ*, Vol.17 (12) December (2013) 60-64.
67. Sharafi Afsaneh<sup>1</sup>, Sajjadi Perissa Seyed<sup>2</sup>, Farhadyar Nazanin<sup>3</sup> and Seyedsadjadi Mirabdullah, Design and Fabrication of Theophylline loaded Magnetic Nanostructure for Targeted Drug Delivery Application, *Res. J. Chem. Environ*, Vol.17 (11) November (2013) 70-75.
68. Mirabdullah Seyedsadjadi\*, Parissa Mashayekhi, The Effect of Polyvinylpyrrolidone on the Formation of Copper Nanoplates in Wet-Chemical Reduction Method, *Int. J. Bio-Inorg. Hybd. Nanomat.*, Vol. 1, No. 4 (2013), 209-214
69. Afsaneh Sharafi, Mirabdullah Seyedsadjadi, Surface-Modified Superparamagnetic Nanoparticles Fe<sub>3</sub>O<sub>4</sub>@PEG for Drug Delivery, *Int. J. Bio-Inorg. Hybd. Nanomat.*, Vol. 2, No. 3 (2013), 437-441
70. S. Rostamzadeh mansour, M.A. Seyed Sadjadi, A. Asadi, K. Mehrani, Doxorubicin loaded on Glycolated Mn-Doped CoFe<sub>2</sub>O<sub>4</sub> Magnetic Nanoparticles: In vitro Proceedings of the 5th International Conference on Nanostructures (ICNS5) 6-9 March (2014), Kish Island, Iran.

71. M. Seyedsadjadi, S. Rashidzadeh, N. Farhadyar, Incorporation of 12-Tungstophosphoric acid in Titania spheres and fabrication of core-shell Polyoxotungstate/Titania nanostructures, *Int. J. Nano Dimens.* 5(2) (2014) 105-112.

72. M. Seyedsadjadi<sup>1</sup>,\* F. Asgari<sup>1</sup>, N. Farhadyar<sup>2</sup>, N. Molahasani<sup>3</sup>, Study of quantum size effects and optical characteristics in colloidal Cd<sub>1-x</sub>Sn<sub>x</sub>Te quantum dots, *Int. J. Nano Dimens.* 5(1), (2014) 57-61, Winter.

73. M. Seyedsadjadi<sup>1</sup>,\* S. E. Babaei<sup>1</sup>, N. Farhadyar<sup>2</sup>, Preparation of surface modified magnetic Iron Oxide nanoparticles and study of their colloidal behavior, *Int. J. Nano Dimens.* 5(3): 279-284, Summer 2014

74. Parivash Mashayekhi Shams<sup>1</sup>\*, Mirabdullah Seyedsadjadi<sup>2</sup>, Alireza Banaei<sup>3</sup>, Structural and Optical Properties of Gold Nanoparticles Formed by Wet-Chemical Method, *Int. J. Bio-Inorg. Hybd. Nanomat.*, Vol. 3, No. 1 (2014), 17-21

75. FARZANEH HOSSEINI<sup>1</sup>, **MIRABDULLAH SEYEDSADJADI** and NAZANIN FARHADYAR, Fe<sub>3</sub>O<sub>4</sub> Nanoparticles Modified with APTES as the Carrier for (+)-(S)-2-(6-methoxynaphthalen-2-yl) Propanoic Acid (Naproxen) and (R,S) 2-(3-benzoylphenyl)-propionic Acid (Ketoprofen) Drug, *Orient. J. Chem.*, Vol. 30(4), 1609-1618 (2014)

76. **Mir Abdullah Seyedsadjadi** and Faranak Asgari, SYNTHESIS OF CdHgTe QUANTUM DOTS, *International Journal of Basic and Applied Chemical Sciences*, 2015 Vol. 5 (1) January-March, pp.75-78,

77. **Mir Abdullah Seyedsadjadi** and Faranak Asgari, SYNTHESIS OF CdTeSn (5%) QUANTUM DOTS. *Indian Journal of Fundamental and Applied Life Sciences* 2015 Vol. 5 (S2), pp. 111-114

78. Sh. Karamipour<sup>a</sup>, **M.S. Sadjadi**<sup>a,†</sup>, N. Farhadyar, Fabrication and spectroscopic studies of folic acid-conjugated Fe<sub>3</sub>O<sub>4</sub>@Au, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 148 (2015) 146–155

79. Karamipour Shahnaz<sup>1</sup>, Farhadyar Nazanin<sup>2</sup> and **Seyed Sadjadi Mirabdullah**, Design and fabrication of core-shell gold coated Fe<sub>3</sub>O<sub>4</sub> magnetic nanoparticles as Cancer Cells Targeting agent, *Res. J. Biotech.* Vol. 10 (5) May (2015)

80. Molahasani Nassibeh<sup>1</sup>, Farhadyar Nazanin<sup>2</sup>, **Seyed Sadjadi Mirabdullah**<sup>3</sup>\*, Shabadra R. and Gargh S.L., Synthesis and Characterization of Folic Acid conjugated ZnO/ Silica Core-shell as Cancer Therapeutic and Imaging Agent, *Res. J. Biotech.* Vol. 10 (3) March (2015)

81. Afsaneh Sharafi<sup>1</sup>, **Seyed Sadjadi Mirabdullah**<sup>2</sup> and Farhadyar Nazanin<sup>1</sup>, Design and Fabrication of Theophylline loaded tri-layer Nanostructure with magnetic core for Targeted Drug Delivery Application, **Vol. 10 (10) October (2015) Res. J. Biotech**

82. **Seyed Sadjadi Mirabdolah**<sup>1</sup>, Rashidzadeh Solmaz<sup>1</sup> and Farhadyar Nazanin<sup>2</sup>, Photocatalytic degradation of malachite green using polyoxotungstate-titanium oxide nanocomposite, *Vol. 10 (9) September (2015) Res. J. Biotech*

83. **M. S. SADJADI**\*, A. KHALILZADEGAN THE EFFECT OF CAPPING AGENTS, EDTA AND EG ON THE STRUCTURE AND MORPHOLOGY OF CdS NANOPARTICLES. *Journal of Non-Oxide Glasses*, Vol. 7, No.4, 2015, p. 55 – 63

84. **M.S. Sadjadi**, N. Rostamizadeha, A New Strategy in the Synthesis of Hollow  $\gamma$ -Al<sub>2</sub>O<sub>3</sub> Nanosphere Using Alginate Gel Casting Process, Vol. 11 (4) April (2016).Res. J. Biotech
85. Golaleh Sheykhaghaeia, Moayad Hossainisadra, Salah Khanahmadzadehb,**Mirabdollah Seyedsajadia**, Awat Alipouramja Magnetic molecularly imprinted polymer nanoparticles for selectivesolid phase extraction and pre-concentration of Tizanidine in humanurine, **Journal of Chromatography B**, 1011 (2016) 1–5
86. Khalilzadegan Ali and **Mirabdullah Seyed Sadjadi \***, Synthesis and optical characterization of Mn doped CdS and Mn doped CdS/ZnS nanoparticles, Vol 11(2) Feb.(2016), Res. J. Biotech
87. FARIBA NAJAFIZADEH1, **MIR ABDULLAH SEYED SADJADI**, SEYED JEMILADINE FATEMI2, MAHMOOD KARIMI MOBARAKEH3 and REZA MALEKPOUR AFSHAR4, A Comparison between Biocompatibilities of Nanocomposites of Silica Doped in HA/collagen and those Doped in HA/gelatin, **ORIENTAL JOURNAL OF CHEMISTRY**, 2016, Vol. 32, No. (3): Pg. 1551-1557
88. Merat Hodaie1 • **Mirabdullah Seyed Sadjadi1** • Mostafa M. Amini2 • Ezzatollah Najafi3 • Seik Weng Ng4, Sonochemical Synthesis of a Nanocrystalline Tin(IV) Complex based on a Bulky Anthracene Carboxylate Ligand: Spectroscopic and Photophysical Properties, *J Inorg Organomet Polym* (2016) 26:500–511
89. MINA AZIMI1, **MIRAbdOLAH SEYEd SAdJAdi\*1** and **NAZANIN FARHAdYAR2**, Fabrication and Characterization of Core/shell ZnO/Gold Nanostructures and Study of their Structural and Optical Properties , *Orient. J. Chem.*, Vol. 32(5), 2517-2523 (2016).
90. Fariba Najafizadeh1, **Mir Abdullah Seyed Sadjadi1\***, Seyed Jemiladine Fateami2, Mahmood Karimi Mobarakeh3, Reza Malekpour Afshar4, The Effects of Silica and A Nature Polymer on the Size and Properties of Nano-Hydroxyapatite, / *Hacettepe J. Biol. & Chem.*, 2016, 44 (3), 317-325
91. **M. Seyed Sadjadi1\***; F. Najafizadeh1; S.G. Fateami2; M. Karimi Mobarakeh3; R. Malekpour Afshar4, *Int. J. Bio-Inorg. Hybr. Nanomater.*, 5(1): 267-274, Spring 2016
92. Parivash Mashayekhi Shams, **Mirabdollah Seyed Sadjadi 1** and Alireza Banaei, A Study of the Influence of Percentage of Copper on the Structural and Optical Properties of Au-Cu Nanoparticle, *Nanochem Res* 1(2): 143-149, Summer and Autumn 2016
93. FARzANEH HOSSEINI and **MIRAbdULLAH SEYEd SAdJAdi** Synthesis and Characterization of Soy Lecithin Coated Magnetic Iron Oxide Nanoparticles for Magnetic Resonance Imaging Applications *Orient. J. Chem.*, Vol. 32(6), 2901-2908 (2016)
94. N. Rostamizadeh1, **M. S. Sadjadi1,\***, **S. A. A. Sadjadi2**, Hollow alumina nanospheres as novel catalyst for the conversion of methanol to dimethyl ether , *Journal of Particle Science and Technology* 2 (2016) 15-22
95. Fereshteh Fathi , **Mirabdollah Seyed Sadjadi**; Maryam Ghaffari Cherati, Systematic review: Superparamagnetic Iron Oxide nanoparticles as contrast agents in diagnosis of multiple sclerosis *Int. J. Nano Dimens.*, 7 (4): 270-277, Autumn 2016
96. FARIBA NAJAFIZADEH1, **MIR ABDULLAH SEYED SADJADI1\***, SEYED JEMILADINE FATEAMI2, MAHMOOD KARIMI MOBARAKEH3 and REZA MALEKPOUR AFSHAR4, The




Effects of Silica and a Nature Polymer on the Size and Properties of Nano-Hydroxyapatite, *Orient. J. Chem.*, Vol. 32(3), 1639-1647 (2016)

97. Seyed Sadjadi Mirabdollah<sup>1\*</sup>, Rashidzadeh Solmaz<sup>1</sup> and Farhadyar Nazanin, Photocatalytic degradation of malachite green using polyoxotungstate-titanium oxide nanocomposite *Research Journal of Biotechnology*, Vol. 12 (3) March (2017) *Res. J. Biotech*

98. Azimi Mina<sup>1</sup>, **Seyed Sadjadi Mirabdollah<sup>1\*</sup>**, Farhadyar Nazanin<sup>2</sup> and Karamipour Shahnaz., Structural and Photoluminescence Characteristics of Ultra Small Size Gold Nanoparticles Synthesized on ZnO Nano Substrate, Vol. 12 (6) June (2017) *Res. J. Biotech*.

99. Merat Hodaie, **Mirabdollah Seyed Sadjadi**, Mostafa M. Amini, Ezzatollah Najafi, Seik Weng Ng, Synthesis and characterization of a new tin(IV) complex with anthracene-9-carboxylic acid as a precursor in the preparation of an organic light-emitting diode, *Main Group Metal Chemistry*, November 2017, De Gruyter, DOI: 10.1515/mgmc-2017-0037

100. Reyhaneh Sahba; **Mirabdollah Seyed Sadjadi** <sup>1</sup>; Ali akbar sajjadi; Nazanin Farhadyar; Babak Sadeghi, Preparation and characterization of friendly colloidal Hydroxyapatite based on natural Milk's casein; **Volume 9, Issue 3, Summer 2018, Pages 238-245**

101. Mina Iranpour, Reza Fazaeli,\* **Mirabdollah Seyed Sadjadi**, Mohammad Yousefi , Computational investigation of solvent effect on stability, electronic and thermochemical properties of iron-substituted borirene and boryl isomers, *Russian Journal of Inorganic Chemistry*". Accepted and will be published in 2018, issue 8.

102. Sanam Aslkhademi<sup>a</sup>, Nader Noshiranzadeh<sup>b</sup>, Mirabdollah, Seyed Sadjadi<sup>a</sup>, Kheirollah Mehrani<sup>a</sup> Nazanin Farhadyar<sup>c</sup> Synthesis, crystal structure and investigation of the catalytic and spectroscopic properties of a Zn(II) complex with coumarin-hydrazone ligand, **Polyhedron** Volume 160, 1 March 2019, Pages 115-122

103. Tayebeh Tavakoli-Azar<sup>1</sup> · Ali Reza Mahjoub<sup>2</sup> · Mirabdollah Seyed Sadjadi<sup>1</sup> · Nazanin Farhadyar<sup>3</sup> · Moayad Hossaini Sadr<sup>4</sup>, Synthesis and Characterization of CdTiO<sub>3</sub>@S Composite: Investigation of Photocatalytic Activity for the Degradation of Crystal Violet Under Sun Light, *Journal of Inorganic and Organometallic Polymers and Materials* <https://doi.org/10.1007/s10904-019-01218-9>, 13 jun 2019

104. Azam Zamani, Mirabdollah Seyed Sadjadi · Alireza Mahjoub Mohammad Yousefi Nazanin Farhadyar, Synthesis, characterization and investigation of photocatalytic activity of ZnFe<sub>2</sub>O<sub>4</sub>@MnO-GO and ZnFe<sub>2</sub>O<sub>4</sub>@MnO-rGO nanocomposites for degradation of dye Congo red from wastewater under visible light irradiation, **Research on Chemical Intermediates** January 2020, Volume 46, **Issue 1**, pp 33–61| [Cite as](#)

105. Azam Zamani<sup>1</sup>, Mirabdollah Seyed Sadjadi<sup>1,\*</sup>, Alireza Mahjoub<sup>2,\*</sup>, Mohammad Yousefi<sup>3</sup>, Nazanin Farhadyar<sup>4</sup> Synthesis and characterization ZnFe<sub>2</sub>O<sub>4</sub>@MnO and MnFe<sub>2</sub>O<sub>4</sub>@ZnO magnetic nanocomposites: Investigation of photocatalytic activity for the degradation of Congo Red under visible light irradiation, *Int. J. Nano Dimens.*, 11 (1): 58-73, Winter 2020

106. Azadeh Moradzadeh<sup>1</sup>, Alireza Mahjoub<sup>2,\*</sup>, Mir Abdullah Seyd Sadjadi<sup>1,\*</sup>, Moayad Hossaini Sadr<sup>3</sup> and Nazanin Farhadyar<sup>4</sup> Preparation, characterization and photocatalytic degradation of Congo Red by ZnZrO<sub>3</sub>/ZnO/ZrO<sub>2</sub>, *Int. J. Nano Dimens.*, 11 (1): 32-40, Winter 2020

107. Hadi Mofid \*,1 , Mirabdollah Seyed Sadjadi 1 , Moayed Hossaini Sadr 2 , Alireza Banaei 3 , Nazanin Farhadyar, Green synthesis of zinc oxide nanoparticles using Aloe Vera plant for investigation of antibacterial , *Adv. Nanochem.*, 2020, 1, 32-35 | 32

108. Tayebeh Tavakoli-Azar<sup>a</sup> Ali Reza Mahjoub<sup>b</sup> Mirabdollah Seyed Sadjadi<sup>a</sup> Nazanin Farhadyar<sup>c</sup> Moayad Hossaini Sadr<sup>d</sup> Improving the photocatalytic performance of a perovskite ZnTiO<sub>3</sub> through ZnTiO<sub>3</sub>@S nanocomposites for degradation of Crystal violet and Rhodamine B pollutants under sunlight, *Inorganic Chemistry Communications*, Available online 11 July 2020, 108091 [In Press. Journal Pre-proof](#) What are Journal Pre-proof articles?

109. Azam Zamani, Mirabdollah Seyed Sadjadi, Alireza Mahjoub Mohammad Yousefi synthesis, characterization and investigation of photocatalytic activity of ZnFe<sub>2</sub>O<sub>4</sub>@MnO-GO and ZnFe<sub>2</sub>O<sub>4</sub>@MnO-rGO nanocomposites for degradation of dye Congo red from wastewater under visible light irradiation, [Research on Chemical Intermediates](#) 46(8) · July 2019

110. Azadeh Moradzadeh<sup>a</sup> Alireza Mahjoub<sup>b</sup> Mirabdollah Seyed Sadjadi<sup>a</sup> Moayad Hossaini Sadr<sup>c</sup> Nazanin Farhadyar<sup>d</sup> Investigation on synthesis, characterization and photocatalytic degradation of congo red by Zn-doped CdTiO<sub>3</sub>/TiO<sub>2</sub> Polyhedron, [Volume 170](#), 15 September 2019, Pages 404-411

111. Tayebeh Tavakoli-Azar<sup>a</sup> Ali Reza Mahjoub<sup>b</sup> Mirabdollah seyed Sadjadi<sup>a</sup> Nazanin Farhadyar<sup>c</sup> Moayad Hossaini Sadr<sup>d</sup>, The effect of temperature on the formation of CdTiO<sub>3</sub> structures for enhancing photocatalytic property, [Chemical Physics Letters](#) [Volume 755](#), 16 September 2020, 137779

112. Hadi Mofid \*,1 , Mirabdollah Seyed Sadjadi 1 , Moayed Hossaini Sadr 2 , Alireza Banaei 3 , Nazanin Farhadyar 4, Green synthesis of zinc oxide nanoparticles using Aloe Vera plant for investigation of antibacterial properties, *Adv. Nanochem.*, 2020, 1, 32-35 | 32

...

#### **Conferences presentations:**

1. N. Farhadyar, M.S. Sadjadi, K. Zare. Biocatalytic activity of fungal protease on silver nanoparticle-loaded zeolite X microspheres; Poster presentation China 2007, 4-6 June – Beijing.

2. **M.S. Sadjadi**, N. Farhadyar, K. Zare. Preparation and characterization of the hydrophilic nanocomposite coatings based on epoxy resin and titanate on the glass substrate; Oral presentation, Chinano 2007, 4-6 June – Beijing.
3. A. Pourahmad, **M.S. Sadjadi**, Preparation and Spectroscopic Studies of semiconductor Nanoparticles Grown on Mesoporous Aluminosilicate Materials; Poster presentation, Chinano 2007, 4-6 June – Beijing.
4. **M.S. Sadjadi**, N. Farhadyar, K. Zare. Study of borated zeolite loaded with nanosize particle of TiO<sub>2</sub>; Synthesis and photocatalytic activity, Oral presentation, 3rd International conference of Chemistry and Env., ICCE-2007 Kuwait 18-20 Nov. 2007.
5. N. Farhadyar, **M.S. Sadjadi**, K. Zare. Bioactivity of Glucose Oxidase on Gold Functionalized nanoparticles, Oral presentation, 3rd International conference of Chemistry and Env., ICCE-2007 Kuwait, 18-20 Nov. 2007.
6. Sh. Sohrabnezhad, A. Pourahmad, **M.S. Sadjadi**, Synthesis and characterization of semiconductor nanoparticles in MCM-41 zeolite host with hydrothermal and ion exchange methods, Oral presentation, Iran nano conference, (INZC'08), 28-30 Mars, 2008
7. **M.S. Sadjadi**, N. Farhadyar, K. Zare, Synthesis of nanosized ZSM-5 loaded by TiO<sub>2</sub> and study of its photocatalytic activity, poster presentation, Iranian National Zeolite Conference (INZC'08) 28-30 Mars, 2008.
8. **M.S. Sadjadi**, N. Farhadyar, K. Zare, Preparation and characterization of the nonosized MCM-41 loaded by TiO<sub>2</sub> and study of its photocatalytic activity, oral presentation at International NanoSEA, conference, Italy 2008.
9. N. Farhadyar, **M.S. Sadjadi**, K. Zare, Immobilization of protease on nano TiO<sub>2</sub> Particles loaded MCM-41 and Study of biocatalytic activity, poster presentation, International NanoSEA, conference, Italy 2008.
10. N. Farhadyar, **M.S. Sadjadi**, K. Zare,, Immobilization of alkaline protease on Bi-Metallic Nano particles Au–Ag nanoparticles in functionalized MCM-41 and study of biocatalytic activity, poster presentation Asia Nano 2008 conference.
11. **M.S. Sadjadi**, N. Farhadyar, K. Zare, Preparation and characterization of the SiO<sub>2</sub>-Ag/PVP nanocomposite mirror coating on the glass thin film; poster presentation, Asia Nano 2008 conference.
12. **M. S. Sadjadi**, N. Farhadyar, K. Zare, Synthesis and photocatalytic activity of Nanocomposites containing nanocrystalline gold- ZnO / (PVP) by sol-gel method", poster presentation at the Frontiers in Polymer Science, June 7-9, 2009 Mainz-Germany.
13. N. Farhadyar, **M.S. Sadjadi**, K. Zare, Preparation of Transparent high refractive index nanocomposite thin films based on epoxy resin and Ag-TiO<sub>2</sub> nanoparticles, reference poster presentation at Frontiers in polymer science, June 7-9, 2009, Mainz-Germany
14. **M.S. Sadjadi**, N. Farhadyar, K. Zare, Selective reduction of polycyclic aromatic hydrocarbons from mainstream cigarettes smoke using Pt/MCM-41 mesoporous materials, Poster presentation, NanoMat June 16-18 2009 Bonn Germany.

15. N. Farhadyar, **M.S. Sadjadi**, K. Zare, Synthesis and characterization of a new antimicrobial tooth-paste containing silver nanoparticle loaded on the nanosized X-zeolite as polishing agent Poster presentation, Nano Mat June 16-18 2009, Bonn Germany,
16. **M. S. Sadjadi**, N. Farhadyar, k.zare , Synthesis and characterization of the platinum-zeolite nanoparticle core-shell used for immobilization of the alkaline protease enzyme, Oral presentation, China Nano 2009.
17. N. Farhadyar, M.S. Sadjadi, Preparation and characterization of the transparent SiO<sub>2</sub> - gold/(PVP) nanocomposite coating , Oral presentation, China Nano 2009.
18. M. S. Sadjadi , M. Enhessarib, S. Khanahmadzadeh, K. Zare,, A. Tajarodi , Wet chemistry synthesis of stoichiometric barium strontium Titanate nanorods, Ba<sub>1-x</sub>Sr<sub>x</sub>TiO<sub>3</sub> (BST) through acetic acid gel (AAG) technique, Oral presentation at ICCE conference, Tailand 1-3 Jan 2010.
19. N. Farhadyar , M.S. Sadjadi, , K. Zare, Oral presentation at ICCE conference, Tailand 1-3 Jan 2010.
20. M. S. Sadjadi, N. Meskinfam, k.zare, In situ biomimetic synthesis and characterization of bone like nano hydroxyapatite in starch matrix, Poster presentation Kish, NS2010.
21. A. Pourahmad, Sh. Sohrabnezhad, M. S. Sadjadi, Synthesis and characterization of semiconductor nanoparticles in MCM-41 zeolite host with hydrothermal and ion exchange methods presentation Kish, NS2010.
22. M. S. Sadjadi, N. Farhadyar, Preparation of nanosize core-shell ZnO /SiO<sub>2</sub> structure for immobilization of the alkaline protease enzyme; Oral presentation at International Conference NANOSEA2010, 28 June -2 July 2010/ Cassis, FRANCE.
23. N. Farhadyar, M. S. Sadjadi, Preparation of nanosize ZnO on the hollow silica matrix and study of it's photocatalytic activity, Oral presentation at International Conference NANOSEA2010, 28 June -2 July 2010/ Cassis, FRANCE.
24. M.A.S. Sadjadi , M. Meskinfam, H.Jazdarreh, K.Zare', 'In situ biomimetic synthesis and characterization of nano hydroxyapatite in gelatin matrix, Accepted for Oral presentation.in the 6th International Conference on Diffusion in Solids and Liquids, DSL-2010, 5-07 JULY, 2010 / Paris – FRANCE.
25. M. Meskinfam, **M.A.S. Sadjadi** , H.Jazdarreh, K.Zare', 'In situ biomimetic synthesis, characterization and in vitro investigation of bone like nanohydroxyapatite in starch matrix, Oral presentation, 6th International Conference on Diffusion in Solids and Liquids, DSL-2010, 5-07 JULY, 2010 / Paris – FRANCE.
26. N. Farhadyar , **M.S. Sadjadi**, Fabrication and characterization of gold–TiO<sub>2</sub> core-shell nanocomposite on X-zeolite for immobilization of alkaline protease, Poster presentation, 6th International Conference on Diffusion in Solids and Liquids, DSL-2010, 5-07 July, 2010 / Paris – FRANCE.
27. **M. S. Sadjadi**, H. R. Ebrahimi, M. Meskinfam, K. Zare, Silica enhanced formation of hydroxyapatite nanocrystals in Simulated Body Fluid (SBF) at 37°C", Poster presentation, AsiaNANO 2010, 1-3 Nov, 2010 Japan.

28. N. Farhadyar, **M. S. Sadjadi**, Fabrication of core-shell nanowire of Gold -TiO<sub>2</sub> and study of its photocatalytic activity, accepted for poster presentation, AsiaNANO 2010, 1-3 Nov, 2010 Japan.
29. **Sadjadi MirAbdollah Seyed**, Akhavan kobra, Zare K., Preparation of Hydroxyapatite Nanoparticles by Reverse Microemulsions and Polyelectrolyte-Modified Microemulsions, Oral presentation, 5rd International conference of Chemistry and Env., ICCE-2010 Malaysia, 27-29 May 2011.
30. Farhadyar N. and **Sadjadi M.S.**, Preparation and characterization of nano-sized zinc oxide loaded on hollow SiO<sub>2</sub> and study of photocatalytic activity, Poster presentation, 5rd International conference of Chemistry and Env., ICCE-2010 Malaysia, 27-29 May 2011.
31. **Sadjadi M. S.**, Azimi A., Zare K., Synthesis and Characterization of ZnO nanorods by Acrylamide Gel Method (AGM), Oral presentation, 5rd International conference of Chemistry and Env., ICCE-2011 Malaysia, 27-29 May 2011.
32. **Sadjadi MirAbdollah Seyed\***, Akhavan kobra and Zare K., Growth of Hydroxyapatite nanoparticles in polyelectrolyte-modified microemulsions, Oral presentation, 5rd International conference of Chemistry and Env., ICCE-2011 Malaysia, 27-29 May 2011.
33. Farhadyar N. and **Sadjadi M.S.**, Preparation and characterization of nano-sized zinc oxide loaded on hollow SiO<sub>2</sub> and study of photocatalytic activity, Poster presentation 5rd International conference of Chemistry and Env., ICCE-2007 Malaysia, 27-29 May 2011.
34. N. Farhadyar, **M. S. Sadjadi**, Synthesis and characterization of ZnO-SiO<sub>2</sub>/EPOXY nanocomposite coating by sol-gel method, 7th International Conference on Diffusion in Solids and Liquids, DSL-2011, 26-30 June, 2011 / Algavre – Portugal.
35. **M.S. Sadjadi**, N. Farhadyar, K. Zare, Synthesis of ZnS/SiO<sub>2</sub> core-shell by sol-gel process and covering then with gold nanoparticle and study of its photoluminescence properties, Oral presentation, 7th International Conference on Diffusion in Solids and Liquids, DSL-2011, 26-30 June, 2011 / Algavre – Portugal.
36. **M.S. Sadjadi**, F. Fathi, N. Farhadyar, K. Zare, Synthesis and characterization of multifunctional silica coated magnetic nanoparticles using polyvinyl pyrrolidone (PVP) as a mediator, Poster presentation, 7th International Conference on Diffusion in Solids and Liquids, DSL-2011, 26-30 June, 2011 / Algavre – Portugal.
37. S. Rostamzadehmansoor, **M.S. Sadjadi**, K. Zare, N. Farhadyar, Preparation of Ferromagnetic Manganese Doped Cobalt Ferrite –Silica Core Shell Nanoparticles for Possible Biological Application. Accepted for publishing in (2012)
38. **M.S. Sadjadi**, A. Sharafi, and N. Farhadyar, Preparation of Surface modified Fe<sub>3</sub>O<sub>4</sub> nanostructures via Inverse Micelle Method and Study of their Magnetic properties for Biological Applications, Poster presentation in NN12 (2012).
39. Karim zare, Nasibeh Molahasani, N. Farhadyar, **M.S. Sadjadi.**, Enhanced Blue Green Emission of ZnO Nanorods Grown by Hydrothermal Method, Oral presentation at NN12. (2012).
40. **Mirabdollah SeyedSadjadi** A. Azimi1, K. Zare, Room Temperature Superparamagnetism in Cobalt doped ZnO nanoparticle Poster presentation at NN12 (2012).

41. K. Zare, A. Sharafi and **Mirabdollah Seyed Sadjadi**, Synthesis and Characterization of surface modified magnetic iron oxide nanoparticles for biological use, Poster presentation at NN12 (2012).

42. **Mirabdollah Seyed Sadjadi**, **Nazanin Farhadyar**, **Fatemeh Azarakhshi**, **Nasrin Fallah**, Ab initio study of Chemical Modification of Single-Walled Carbon Nanotubes SWNTs (5,5) By Siloxane Derivatives, **Conference Paper** · August 2014 *with* 6 Reads  
Conference: 16th Iranian Inorganic Chemistry Conference., At Bu-Ali Sina University, Hamedan, Iran.

43. Ziver ghezelbash<sup>1</sup>, Nazanin Farhadyar<sup>2</sup>, **Mirabdollah Seyed Sadjadi**, Visible Light-Driven Photocatalytic Activity of ZnO/Au core-shell Nanoparticles” poster presentation in the conference. World Research Journals Conference (WRJ-2015) 07th to 08th December 2015 at Dubai, UAE

44. Ziver ghezelbash<sup>1</sup>, Nazanin Farhadyar<sup>2</sup>, **Mirabdollah Seyed Sadjadi**, Preparation and characterization of gold coated hydroxyapatite nanorods and their potential in bone cancer treatment” poster presentation in the conference. World Research Journals Conference (WRJ-2015) 07th to 08th December 2015 at Dubai, UAE

### **Lecture program**

- Inorganic polymers Chemistry (PhD)
- Nanochemistry (PhD)
- Photochemistry (PhD)
- Application of computer in Inorganic chemistry’s research (PhD)
- New topics in Inorganic chemistry (PhD)
- Structure and bonding in inorganic compounds (PhD)

### **Finished projects**

- Synthesis and spectral studies of Mo(V)-Mo(VI) complex of Nitrilotriacetate and EDTA 1970
- The effects of an additive on destructive autooxidation of vanadyl acetylacetonate, 1972
- Synthesis and spectral studies of Mo(V)-Mo(VI) binuclear enzymatic model complex, 1975
- Preparation of zeolites needed for medical applications. 1378
- Preparation of high siliceous ZSM-5 1380.
- Preparation of paraxylene by use of ZSM-5, 1381
- Preparation of titanium dioxide nanoparticles and..., 1388.

### **Patents**

- 8 registered cases

### **Affiliations, Honors and Prizes**

- Associate professor of Inorganic Chemistry, Sciences and Research Branch of IAU, Tehran 2003- until now.

- Associate professorship in Inorganic Chemistry Shahid Beheshty University, Tehran 1996-2003
- Assistant professorship in Inorganic Chemistry Shahid Beheshty University, Tehran 1988-1996
- Assistant professorship Tabriz University, Tabriz 1973-1988
- University presidential research awards 1991, 1992 and 1999

Member editorial board of the following Journal:

- Research Journal of Chemistry and Environment (since 2002), INDIA.
- Journal of physical and Theoretical Chemistry Islamic Azad University (Since 2003 until 2010).
- International Journal of Chemistry, INDIA (Since 2012), INDIA.
- International Journal of Nano Dimension (Since 2011), Iran.

Editorial in Chef:

- International Journal of Bioinorganic Hybrid Nanomaterials (Since 2011), Iran.

**Authorship and translations in Persian language:**

- Electrons and Chemical Bonding, Harry B. Gray, Translation to Farsi with amendments 1984
- Inorganic Chemistry, An Advanced Study, Heslop & Jones, Translation to Farsi, 1987
- Textbook of Advanced Inorganic Chemistry, Shahid Beheshti University Publications 1996
- Synthesis of Siliceous Zeolites, Pentasil Group, Publ. by Univ. Shahid Beheshti University Publications 2008.

Thesis Adviser:

- Thesis advisor for more than forty PhD students.
- Thesis advisor for more than fifteen MS students.
- 

**Books published:**

In Persian language:

- Synthesis of Siliceous Zeolites, Pentasil Group, Shahid Beheshti University Publ. 2008.
- A textbook "Advanced Inorganic Chemistry" Shahid Beheshti University Publications 1996.
- Metals, Nonmetals and their therapeutic applications. 2017

In English language:

- Mirabdullah Seyed Sadjadi, Nazanin Farhadyar and K. Zare, Preparation and Characterization of Inorganic-Organic Nanocomposite Coatings, Chapt. 1, Advanced in Nanocomposites, Synthesis, characterization and industrial Applications, p.3-23, Edited by Boreddy S.R. Reddy, INTECH publ. 2011, ISBN 978-953-307-165-7

