رزومه

Curriculum Vitae

۱) مشخصات فردی

نام : مجید

نام خانوادگی: درّودی

رشته تحصیلی: علوم نانو

محل خدمت: مرکز تحقیقات پزشکی هسته ای – بیمارستان قائم (عج)

آدرس پست الکترونیک: darroudim@mums.ac.ir

تلفن تماس: ۰۵۱-۳۸۰۱۲۷۹۸

۲) تحصیلات دانشگاهی

۱) کارشناسی ارشد شیمی معدنی (نانومواد و بیوسرامیک ها) – دانشگاه فردوسی مشهد (۱۳۸۳-۱۳۸۵)

۲) دکتری تخصصی علوم نانو – دانشگاه پوترا مالزی (UPM) - مالزی (۲۰۰۷-۲۰۱۱)

۳) تجربیات حرفه ای

۱) دستیار پژوهشی در مرکز تحقیقاتی نانو مواد - دانشگاه مالایا (UM) – مالزی ۲۰۱۰-۲۰۱۱

۴) عناوین و امتیازات ویژه

۱) عنوان دانشجویان برتر ایرانی شاغل به تحصیل در مالزی از سوی وزارت علوم، تحقیقات و فناوری-۱۳۸۹

۲) رتبه اول دانشجویان ایرانی شاغل به تحصیل در مالزی از سوی وزارت علوم، تحقیقات و فناوری-۱۳۹۰

۵) فعالیت های پژوهشی

الف) انتشار مقاله در ژورنال‌های علمی پژوهشی سطح I: (ISI)

1. **Darroudi M.**, Ahmad M.B., Shameli K., Abdullah A.H., Ibrahim N.A. Synthesis and characterization of UV-irradiated silver/montmorillonite nanocomposites, *Solid State Sci.* 11 (2009) 1621-1624.
   (**IF: 1.856**)

2. **Darroudi M.**, Eshtiagh-Hosseini H., Housaindokht M.R., Youssefi A., Preparation and characterization of fluorohydroxyapatite nanopowders by nonalkoxide sol-gel method, *Dig. J. Nanomater. Biostruct.* 5 (2010) 29-33.
   (**IF: 1.200**)

3. Ahmad M.B., Shameli K., Wan Yunus W.M.Z., Ibrahim N.A., **Darroudi M.**, Silver/ poly (lactic acid) nanocomposites: Preparation, characterization and antibacterial activity, *Int. J. Nanomed.* 5 (2010) 573-579.
   (**IF: 3.130**)

4. **Darroudi M.**, Ahmad M.B., Abdullah A.H., Ibrahim N.A., Shameli K., Effect of accelerator in green synthesis of silver nanoparticles, *Int. J. Mol. Sci.* 11 (2010) 3898-3905.
   (**IF: 2.598**)

5. Zak A.K., Majid W.H.A., **Darroudi M.**, Synthesis and characterization of sol-gel derived single-phase PZT nanoparticles in aqueous polyol solution, *J. Optoelectron. Adv. Mater.* 12 (2010) 1714-1719.
   (**IF: 0.457**)

6. Azmi B.Z., Zamiri R., Shameli K., Ahmad M.B., **Darroudi M.**, Determination of thermal diffusivity of montmorillonite containing silver nanoparticles, *J. Optoelectron. Adv. Mater.* 12 (2010) 1879-1883.
   (**IF: 0.457**)

7. Zamiri R., Azmi B.Z., Ahmad M.B., **Darroudi M.**, Shameli K., Mahdi M.A., Determination of thermal diffusivity of montmorillonite containing silver nanoparticles, *J. Optoelectron. Adv. Mater.* 12 (2010) 1083-1086.
   (**IF: 0.457**)

8. Shameli K., Ahmad M.B., Yunus W.M.Z.W., Ibrahim N.A., **Darroudi M.**, Synthesis and characterization of silver/talc nanocomposites using the wet chemical reduction method, *Int. J. Nanomed.* 5 (2010) 743-751.
   (**IF: 3.130**)

9. Zamiri R., Zakaria A., Ahmad M.B., Sadrolhosseini A.R., Shameli K., **Darroudi M.**, Mahdi M.A., Investigation of spatial self-phase modulation of silver nanoparticles in clay suspension, *Optik* 122 (2011) 836-838.
   (**IF: 0.510**)

10. Zak A.K., Gan W.C., Majid W.H.A., **Darroudi M.**, Velayutham T.S., Experimental and theoretical dielectric studies of PVDF/PZT nanocomposite thin films, *Ceram. Int.* 37 (2011) 1653-1660.
   (**IF: 1.751**)

11. **Darroudi M.**, Ahmad M.B., Abdullah A.H., Ibrahim N.A., Green synthesis and characterization of gelatin-based and sugar-reduced silver nanoparticles, *Int. J. Nanomed.* 6 (2011) 569-574.
   (**IF: 3.130**)

12. Zamiri R., Zakaria A., Abbastabar H., **Darroudi M.**, Husin M.S., Mahdi M.A., Laser-fabrication castor oil capped silver nanoparticles, *Int. J. Nanomed.* 6 (2011) 565-568.
   (**IF: 3.130**)

13. Khorsand Zak A., Majid W.H.A., **Darroudi M.**, Yousefi R., Synthesis and characterization of ZnO nanoparticles prepared in gelatin media, *Mater. Lett.* 65 (2011) 70-73.
   (**IF: 2.307**)

14. **Darroudi M.**, Ahmad M.B., Zamiri R., Abdullah A.H., Ibrahim N.A., Shameli K., Husin M.S., Preparation and characterization of gelatin mediated silver nanoparticles by laser ablation, *J. Alloy. Compd.* 509 (2011) 1301-1304.
   (**IF: 2.289**)

15. **Darroudi M.**, Ahmad M.B., Zamiri R., Zak A.K., Abdullah A.H., Ibrahim N.A., Time-dependent effect in green synthesis silver nanoparticles, *Int. J. Nanomed.* 6 (2011) 677-681.
   (**IF: 3.130**)

16. Zamiri R., Azmi B.Z., **Darroudi M.**, Sadrolhosseini A.R., Husin M.S, Zaidan A.W, Mahdi M.A., Preparation of starch stabilized silver nanoparticles with spatial self-phase modulation properties by laser ablation technique, *Appl. Phys. A-Mater. Sci. Process.* 102 (2011) 189-194. (**IF: 1.630**)

17. **Darroudi M.**, Ahmad M.B., Zamiri R., Abdullah A.H., Ibrahim N.A., Sadrolhosseini A.R., Time-dependent preparation of gelatin-stabilized silver nanoparticles by pulsed Nd:YAG laser, *Solid State Sci.* 13 (2011) 520-524. (**IF: 1.856**)

18. Khorsand Zak A., Razali R., Majid W.H.A., **Darroudi M.**, Synthesis and characterization of narrow size distribution zinc oxide nanoparticles, *Int. J. Nanomed.* 6 (2011) 1399-1403. (**IF: 3.130**)

19. Zamiri R., Azmi B.Z., Naseri M.G., Abbastabar Ahangar H., **Darroudi M.**, Kalaei Nazarpour F., Laser based fabrication of chitosan mediated silver nanoparticles, *Appl. Phys. A-Mater. Sci. Process.* 105 (2011) 255-259. (**IF: 1.630**)

20. Razali R., Khorsand Zak A., Majid W.H.A., **Darroudi M.**, Solvothermal synthesis of microsphere ZnO nanostructures in DEA media, *Ceram. Int.* 37 (2011) 3657-3663. (**IF: 1.751**)

21. Zamiri R., Azmi B.Z., **Darroudi M.**, Khorsand Zak A., Aqueous starch as a stabilizer in zinc oxide nanoparticle synthesis via laser ablation, *J. Alloy. Compd.* 516 (2012) 41-48. (**IF: 2.289**)

22. **Darroudi M.**, Ahmad M.B., Khorsand Zak A., Zamiri R., Hakimi M., Fabrication and characterization of gelatin stabilized silver nanoparticles under UV-light, *Int. J. Mol. Sci.* 12 (2011) 6346-6356. (**IF: 2.598**)

23. **Darroudi M.**, Khorsand Zak A., Nuhamad M.R., Huang N.M., Hakimi M., Green synthesis of colloidal silver nanoparticles by sonochemical method, *Mater. Lett.* 66 (2012) 117-120. (**IF: 2.307**)

24. Zamiri R., Zakaria A., Parvizi R., Sadrolhosseini A. R., Zamiri G., **Darroudi M.**, Husin M. S., Investigation on nonlinear-optical properties of palm oil/silver nanoparticles, *J. Eur. Opt. Soc. Rapid Public.* 7 (2012) 12020.
(**IF=1.044**)

25. Khorsand Zak A., Majid W.H.A., **Darroudi M.**, Facile synthesis and characterization of lanthanum (III) oxychloride nanoparticles using a natural polymeric matrix, *Mater. Chem. Phys.* 136 (2012) 705-709.
(**IF=2.234**)

26. Hakimi M., **Darroudi M.**, Khorsand Zak A., Muhamad M.R., Hosseini H.A., Ultrasonic-assisted synthesis of starch-stabilized silver nanoparticles, *J. Optoelectron. Adv. Mater-Rap. Commun.* 6 (2012) 840-843.
(**IF=0.304**)

27. **Darroudi M.**, Ahmad M.B., Hakimi M., Zamiri R., Khorsand Zak A., Hosseini H.A., Zargar M., Preparation, Characterization, and Antibacterial Activity of γ-Irradiated Silver Nanoparticles in Aqueous Gelatin, *Int. J. Miner. Metall. Mater.* 20 (2013) 403-409
(**IF=0.691**)

28. Zamiri R., Zakaria A., Ahangar H.A., **Darroudi M.**, Zamiri G., Rizwan Z., Drummen G.P.C., The effect of laser repetition rate on the LASiS synthesis of biocompatible silver nanoparticles in aqueous starch solution, *Int. J. Nanomed.* 8 (2013) 233-244
(**IF: 3.130**).

29. Zak A.K., Majid W.H.Abd., Mahmoudian M.R., **Darroudi M.**, Yousefi R., Starch-stabilized synthesis of ZnO nanopowders at low temperature and optical properties study, *Adv. Powder Technol.* 24 (2013) 618-624
(IF: 1.612).

30. **M. Darroudi**, M. Hakimi, M. Sarani, R. Kazemi Oskuee, A. Khorsand Zak, L. Gholami, Facile synthesis, characterization, and evaluation of neurotoxicity effect of cerium oxide nanoparticles, *Ceram. Int.* 39 (2013) 6917-6921
(**IF: 1.751**).

31. **Darroudi M.**, Sabouri Z., Kazemi Oskuee R., Khorsand Zak A., Kargar H., Hamid M.H.N.Abd., Sol–gel synthesis, characterization, and neurotoxicity effect of zinc oxide nanoparticles using gum tragacanth, *Ceram. Int.* 39 (2013) 9195-9199
(**IF: 1.751**).

32. **Darroudi M.**, Sabouri Z., Kazemi Oskuee R., Khorsand Zak A., Kargar H., Hamid M.H.N.Abd., Green chemistry approach for the synthesis of ZnO nanopowders and their cytotoxic effects, *Ceram. Int.* 40 (2014) 4827-4831
(**IF: 1.751**).

33. **Darroudi M.**, Sarani M., Kazemi Oskuee R., Khorsand Zak A., Hosseini H.A., Gholami L, Green synthesis and evaluation of metabolic activity of starch mediated nanoceria, *Ceram. Int.* 40 (2014) 2041-2045
(**IF: 1.751**).

34. **Darroudi M.**, Sarani M., Kazemi Oskuee R., Khorsand Zak A., Amiri M.S., Nanoceria: Gum mediated synthesis and *in vitro* viability assay, *Ceram. Int.* 40 (2014) 2863-2868.
(**IF: 1.751**).

35. **Darroudi M.**, Ahmad M.B., Mashreghi M., Gelatinous silver colloid nanoparticles: synthesis, characterization, and their antibacterial activity, *J. Optoelectron. Adv. Mater.* 16 (2014) 187-192
(**IF: 0.516**).

36. Gholami L., Sadeghnia H.R., Darroudi M., Kazemi Oskuee. Evaluation of genotoxicity and cytotoxicity induced by different molecular weights of Polyethylenimine/DNA nanoparticles. *Turk. J. Biol.* 2014.38
(**IF: 0.914**).

37. **Darroudi. M** , Hakimi. M ,Goodarzi. E , Oskuee. RK. Superparamagnetic iron oxide nanoparticles (SPIONs): Green preparation, characterization and their cytotoxicity effects. *Ceramics International*. November 2014. 40(9). Part: B .14641-14645.
    (IF: 2.086)

38. Zak.AK ,Hashim.AM , **Darroudi.M**. Optical properties of ZnO/BaCO3 nanocomposites in UV and visible regions. Nanoscale Research Letters. Aug 18 2014.9.AN.399.
    (IF: 2.481)

39. **Darroudi M.**, Hoseini S.J., Kazemi Oskuee R., Hosseini H.A., Gholami L., Gerayli S., Food-directed synthesis of cerium oxide nanoparticles and their neurotoxicity effects, *Ceram. Int.* June 2014.40(5).7425-7430.
    (**IF: 1.751**).

40. Alavi. S.J ,Khalili. N ,Kazemi Oskuee. R ,Verma.K.D ,Darroudi. M. Role of polyethyleneimine (PEI) in synthesis of zinc oxide nanoparticles and their cytotoxicity effects. *Ceramics International*. September 2015. 41(8). 10222-10226 .
    (IF: 2.086)

41. Hoseini. S.J,**Darroudi. M**, Kazemi Oskuee.R ,Gholami. L ,Khorsand Zak. A. Honey-based synthesis of ZnO nanopowders and their cytotoxicity effects. Advanced Powder Technology. 1 May 2015.26(3). 991-996.
    (IF: 2.638)

42. Kargar.H ,Ghasemi.F, **Darroudi. M**. Bioorganic polymer-based synthesis of cerium oxide nanoparticles and their cell viability assays. *Ceramics International*. 2015.41(1. 1589-1594.
    (IF: 2.086)

43. Kargar. H , Ghazavi. H,**Darroudi. M**. Size-controlled and bio-directed synthesis of ceria nanopowders and their in vitro cytotoxicity effects. *Ceramics International*. 1 April 2015. 41(3). 4123-4128.
    (IF: 2.086)

44. Miri. A,Sarani.M, Rezazade Bazaz.M,**Darroudi. M**. Plant-mediated biosynthesis of silver nanoparticles using Prosopis farcta extract and its antibacterial properties. Spectrochimica *Acta - Part A: Molecular and Biomolecular Spectroscopy*. April 2015.141(15).287-291.
(IF: 2.129)

45. **Darroudi.M** , Khorsand Zak. A ,Muhamad.M.R ,Zamiri. R.d. Preparation of gelatinous gold nanoparticles by pulsed laser ablation. *Research on Chemical Intermediates*. 1 July 2015. 41(7). 4587-4594.
(IF: 1.221)

46. **Darroudi.M**, Bagherpour.M, Hosseini. H, Ebrahimi. M. Biopolymer-assisted green synthesis and characterization of calcium hydroxide nanoparticles. *Ceramics International*. 2016.42. 3816 – 3819.
(IF: 2.086)

47. Prakash.D, Amente.C, Dharamvir. K, Singh. B, Singh. R, Shaaban.E.R, Al-Douri.Y, Khenata.R, **Darroudi.M**, Verma.K. Synthesis, purification and microstructural characterization of nickel doped carbon nanotubes for spintronic applications. *Ceramics International*. 2016.42.5600-5606.
(IF: 2.086)

48. Miri. A, Dorani. N , **Darroudi. M** , Sarani. M. Green synthesis of silver nanoparticles using Salvadora persica L. and its antibacterial activity. *Cellular and Molecular Biology*. 2016.62(9). 46-50.
(IF: 4.427)

49. Upadhaya. P, Prakash. D , Shaaban. E.R ,Al-Douri.Y ,Khenata. R , Reshak. A.H ,**Darroudi. M** ,Verma.K. Realization and computational analysis of splitting in higher order optical vortices. *Optik*. 2016.127(14). 5757-5760.
(IF: 0.742)

50. Askarian. S , Abnous. K ,**Darroudi. M**, Oskuee.R , Ramezani. M. Gene delivery to neuroblastoma cells by poly (L-lysine)-grafted low molecular weight polyethylenimine copolymers. *Biologicals*. 2016.44(4). 212-218.

(IF: 1.690)

51. Khandan Nasab.N , Dehnad.A.R , Salimizand.H , Taherzadeh.D , Prakash. D ,Verma. K.D , **Darroudi. M**. Zinc selenide nanoparticles (ZnSe-NPs): Green synthesis and investigation of their cytotoxicity effects. *Ceramics International*. 2016.42(10).12115-12118.
(IF: 2.758)

52. Oskuee. R.K, Banikamali. A, Bazzaz. B.S, Hosseini. H.A, **Darroudi.M**. Honey-based and ultrasonic-assisted synthesis of silver nanoparticles and their antibacterial activities. *Journal of Nanoscience and Nanotechnology*. 2016.16(8).7989-7993.
(IF: 1.338)

53. Charbgoo.F ,Ahmad.M.B, **Darroudi. M**. Cerium oxide nanoparticles: Green synthesis and biological applications. *International Journal of Nanomedicine*. 2017.12. 1401-1413
(IF: 4.370)

54. Alavi.S.J ,Gholami.L , Askarian. S ,**Darroudi.M** ,Massoudi.A , Rezaee. M ,Kazemi Oskuee. R. Hyperbranched–dendrimer architectural copolymer gene delivery using hyperbranched PEI conjugated to poly(propyleneimine) dendrimers: synthesis, characterization, and evaluation of transfection efficiency. *Journal of Nanoparticle Research*. 2017. 19(2).
(IF: 2.127)

55. Homayouni-Tabrizi. M , Asoodeh.A ,Mashreghi. M ,Rezazade Bazaz. M ,Kazemi Oskuee. R , **Darroudi. M**. Attachment of a Frog Skin-Derived Peptide to Functionalized Cerium Oxide Nanoparticles. *International Journal of Peptide Research and Therapeutics*. 2016.22(4).505-510.
(IF: 1.338)

56. Mirzaei. H ,**Darroudi. M**. Zinc oxide nanoparticles: Biological synthesis and biomedical applications. *Ceramics International*. 2017.43(1).907-914.
(IF: 2.758)

57. Afzalian Mend. B , Delavar. M , **Darroudi. M**. CdO-NPs; synthesis from 1D new nano Cd coordination polymer, characterization and application as anti-cancer drug for reducing the viability of cancer cells. *Journal of Molecular Structure*. 2017.1134. 599-605.
(IF:1.780)

58. Hosseini H.A, Nezhadali A, **Darroudi M**. Spectrophotometry study of complex formation between Iodoquinol (IQ) and Co^{+2}, Mn^{+2}, Cd^{+2}, Pb^{+2}, and Zn^{+2} in DMF/MeOH binary mixed solvents, *Arab. J. Chem.* 2017.10.S293-296.
(**IF=1.367**)

59. Afzalian Mend. B, Delavar .M, **Darroudi .M**. CdO-NPs; synthesis from 1D new nano Cd coordination polymer, characterization and application as anti-cancer drug for reducing the viability of cancer cells. *Journal of Molecular Structure.* April 2017.1134. 599–605.

(**IF=1.602**)

60. Es-Haghi. A, Mashreghi.M, Bazaz. M.R, Homayouni-Tabrizi. M, **Darroudi.M**. Fabrication of biopolymer based nanocomposite wound dressing: Evaluation of wound healing properties and wound microbial load. *IET Nanobiotechnology*. 2017.11(5)1 . 517-522.

(**IF=1.463**)

61. Gholoobi.A, Meshkat.Z, Abnous.K, Ghayour-Mobarhan.M, Ramezani. M, Homaei Shandiz, F,Verma, K.D ,**Darroudi. M**. Biopolymer-mediated synthesis of Fe3O4 nanoparticles and investigation of their in vitro cytotoxicity effects. *Journal of Molecular Structure.* 2017.1141. 594-599.
(IF=1.780)

62. Pahlavan Noghabi.M, Parizadeh.M.R, Ghayour-Mobarhan. M, Taherzadeh. D,Hosseini.A, **Darroudi.M**. Green synthesis of silver nanoparticles and investigation of their colorimetric sensing and cytotoxicity effects. *Journal of Molecular Structure*. 2017.1146. 499-503. **(IF=1.780)**

63. Charbgoo.F, Ramezani. M, **Darroudi.M**. Bio-sensing applications of cerium oxide nanoparticles: Advantages and disadvantages. *Biosensors and Bioelectronics*.2017.96(15). 33-43.

(IF=7.47)

64. Mortazavi Milani. Z, Charbgoo.F, **Darroudi.M**. Impact of physicochemical properties of cerium oxide nanoparticles on their toxicity effects. *Ceramics International.* 2017.43(17). 14572-14581.

(IF=2.086)

65. Akbari.A, Khammar.M, Taherzadeh.D, Rajabian.A, Khorsand Zak.A, **Darroudi.M**. Zinc-doped cerium oxide nanoparticles: Sol-gel synthesis, characterization, and investigation of their in vitro cytotoxicity effects. *Journal of Molecular Structure*. 2017.1149.771-776.

(IF=1.780)

66. Khorrami.M.B, Sadeghnia. H.R, Pasdar.A, Ghayour-Mobarhan.M, Riahi-Zanjani. B, **Darroudi. M**. Role of Pullulan in preparation of ceria nanoparticles and investigation of their biological activities. *Journal of Molecular Structure*. 2018.1157. 127-131.

(IF=1.780)

67. Taghavizadeh Yazdi.M.E ,Khara. J, Sadeghnia.H.R, Esmaeilzadeh Bahabadi.S,Darroudi.M. Biosynthesis, characterization, and antibacterial activity of silver nanoparticles using Rheum turkestanicum shoots extract. *Research on Chemical Intermediates*. 2017. 1-10.**in press**

(IF=1.369)

68. Moghaddasi.F, Housaindokht.M.R, **Darroudi..M**, Bozorgmehr.M.R , Sadeghi. A. Synthesis of nano curcumin using black pepper oil by O/W Nanoemulsion Technique and investigation of their biological activities. *LWT*. 2018.92. 92-100.

(IF=3.129)

69. Gholami.L, Kazemi Oskuee.R, Tafaghodi.M, Ramezani Farkhani. A, **Darroudi. M**. Green facile synthesis of low-toxic superparamagnetic iron oxide nanoparticles (SPIONs) and their cytotoxicity effects toward Neuro2A and HUVEC cell lines. *Ceramics International*. 2018. 44(8).9263-9268.

(IF=3.057)

70. Moghaddasi.F,Housaindokht.M.R., **Darroudi.M**, Bozorgmehr.M.R, Sadeghi, A. Soybean oil-based nanoemulsion systems in absence and presence of curcumin: Molecular dynamics simulation approach. *Journal of Molecular Liquids.* 2018. 264. 242-252.

(IF=4.513)

71. Hasanzadeh.L, Kazemi Oskuee. R, Sadri. K, Nourmohammadi.E, Mohajeri.M, Mardani.Z, Hashemzadeh.A, **Darroudi.M**. Green synthesis of labeled CeO2 nanoparticles with 99mTc and its biodistribution evaluation in mice. *Life Sciences.* 2018.212. 233-240.

(IF=3.234)

72. Nourmohammadi, E, Kazemi Oskuee.R, Hasanzadeh.L, Mohajeri. M, Hashemzadeh.A, Rezayi.M, **Darroudi.M**. Cytotoxic activity of greener synthesis of cerium oxide nanoparticles using carrageenan towards a WEHI 164 cancer cell line. *Ceramics International.* 2018.44(16). 19570-19575.

(IF=3.057)

73. Sabouri.Z, Akbari.A, Hosseini.H.A, **Darroudi.M**. Facile green synthesis of NiO nanoparticles and investigation of dye degradation and cytotoxicity effects. *Journal of Molecular Structure.* 2018.1173.931-93.

(IF=2.011)

ب) انتشار مقاله در ژورنال‌های علمی پژوهشی سطح III**:** (Scopus, Chemical Abstract, Embase, Biological Abstract**)**

1. **Darroudi M.**, Wan Yunus W.M.Z., Shameli K., Ibrahim N.A., Processing and microstructure of PLA/clay nanocomposites, *Malay. J. Sci.* 28 (2009) 147-152.

2. Ahmad M.B., Shameli K., **Darroudi M.**, Yunus W.M.Z.W., Ibrahim N.A., Synthesis and characterization of silver/clay nanocomposites by chemical reduction method, *Am. J. Appl. Sci.* 6 (2009) 1909-1914.

3. **Darroudi M.**, Eshtiagh-Hosseini H., Housaindokht M.R., Youssefi A., Synthesis of nano-fluorohydroxyapatite thin films by sol-gel method, *Malay. J. Sci.* 28 (2009) 97-104.

4. Ahmad M.B., Shameli K., **Darroudi M.**, Yunus W.M.Z.W., Ibrahim N.A., Synthesis and characterization of silver/clay/chitosan bionanocomposites by UV-irradiation method, *Am. J. Appl. Sci.* 6 (2009) 2030-2035.

5. **Darroudi. M**, Sabouri. Z, Kazemi Oskuee. R, Kargar. H, Hosseini. H.A. Neuronal toxicity of biopolymer-template synthesized ZnO nanoparticles, *Nanomed. J.* 1 (2014) 93-98.

ج) انتشار مقاله) انتشار مقاله در ژورنال‌های علمی پژوهشی سطح IV**:**

1. Hazrati Saedabadi .M, Khorsand Zak.A, **Darroudi .M** ,Hamidi Yadegar .M. Synthesis and characterization of rGO-ZnO nanocomposites and investigating their potential for medical applications. *Journal of Research on Many-body Systems*. 2017.7(13).205.

د) ارائه مقاله درکنگره ها یا سمینارهای خارجی:

1) **Darroudi.M**, Kazemi oskuee.R, Gholam.l. Cytotoxicity effect of microwave-assisted synthesis of cerium oxide nanopowders. International conference on chemical, metallurgy and Environmental Engineering (ICMAEE_15).
Poster presentation, 3-4Jun2015,Istanbul(Turkey)

2) **Darroudi M.**, Shameli K., Ahmad M.B., Abdullah A.H., Ibrahim, N.A., Effect of MgO microstructure on properties on poly(ε-caprolactone), International Conference on Molecular Chemistry, 25-27 November 2008, Universiti Malaya (UM), Kuala Lumpur, Malaysia.

3) **Darroudi M.**, Shameli K., Ahmad M.B., Abdullah A.H., Ibrahim, N.A., Synthesis of Ag/Clay nanocomposites by using UV-irradiation method, Second International Conference and Workshops on Basic and Applied Sciences & Regional Annual Fundamental Science Seminar, 3-4 June 2009, Universiti Teknologi Malaysia (UTM), Johor Bahru, Malaysia.

4) **Darroudi M.**, Ahmad M.B., Abdullah A.H., Ibrahim, N.A., Antibacterial activity of silver/clay nanocomposites, Fundamental Science Congress, 17-18 June 2009, Universiti Putra Malaysia (UPM), Serdang, Malaysia.

5) **Darroudi. M**, Ahmad .M.B, Abdullah. A.H, Ibrahim, N.A., Green synthesis of silver nanoparticles in polymeric matrix, Fundamental Science Congress, 18-19 May 2010, Universiti Putra Malaysia (UPM), Serdang, Malaysia.

ز) ارائه مقاله درکنگره ها یا سمینارهای داخلی:

1) **Darroudi M.**, Eshtiagh Hosseini H, Housaindokht M.R, Chahkandi. M, Synthesis & characterization of Hydroxyapatite nano powder and thin film by sol-gel method, First Nano Technology Conference in South of Iran (7-10 February 2007) - Shiraz University - Shiraz - Iran.

2) **Darroudi M**, Eshtiagh Hosseini H, Housaindokht M.R.Preparation and characterization of sol-gel derived Hydroxyapatite nanopowders as a new approach to the chromatographic techniques, 15th Iranian Seminar of Analytical Chemistry (Feb 27-March 1, 2007) - Shiraz University - Shiraz - Iran.

3) **Darroudi M**, Eshtiagh Hosseini. H, Housaindokht M.R, Youssefi A, Facile sol-gel fabrication of nano-Fluorohydroxyapatite thin films on Titanium substrates, 5th Iranian Controlled Release Conference (4-6 October 2011) - Mashhad University of Medical Sciences - Mashhad - Iran.
4) Kamelnia. E, Divsalar. A, Yaghmaic. P, Sadri. K. **Darroudi. M**. Application of cellulose Nano crystals in nuclear medicine. The 21st Annual and 6th International Congress of Nuclear Medicine and Molecular Imaging. (22-24 November2017)-Mashhad- Iran.