

CV



First name: Khodabakhsh

Last name: Niknam

Date of Birth: August 25, 1970

Nationality: Iran

Position: Professor

Affiliation: Persian Gulf University

Work Address: Department of Chemistry

Faculty of Sciences

Persian Gulf University

Bushehr

Iran, 75169

Tel: +98-0771, 4541494

Fax: +98-0771, 4545188

Email: niknam@pgu.ac.ir khniknam@gmail.com

<http://www.pgu.ac.ir/search/More.asp?ID=21>

Married (I have two sons)

Education:

B.Sc: Chemistry, Department of Chemistry, Shahid Beheshti University (National University) 1993.

M.Sc: Organic Chemistry (Ring Opening Reactions of Epoxides), Department of Chemistry, College of Science, Shiraz University 1995.

Ph.D: Organic Chemistry (Synthesis of Macrocyclic Diamides), Department of Chemistry, College of Science, Shiraz University 1999.

Sabbatical Leave:

Join Prof. Thomas's research group for 9 months at Manchester University, from November **2008** until August **2009**, also, September and October **2010**, and from Jun **2011** until September **2011**.

Research Interest:

- ١- Synthesis of macrocyclic diamides and related compounds.
- ٢- Preparation of solid acids based on silica gel and use them as heterogeneous catalysts in organic transformation and heterocyclic synthesis.

- ϣ- Preparation of solid bases on silica gel and use them as heterogeneous catalysts in organic transformation and heterocyclic synthesis.
- Ϙ- Synthesis of nano-particles.
- ο- Preparation of nano-particles and use them as catalysts in carbon-carbon bond formation.
- ϛ- Preparation of Ionic Liquids and ionic liquids bonded on silica gel and use them as catalysts in organic transformation.

Awards:

- 1- Distinguished researcher in Faculty of Sciences for the years of **2002, 2006, 2007, 2009, and 2011.**
- 2- Distinguished researcher in Persian Gulf University for the years of **2003 and 2005.**
- 3- Distinguished researcher of Bushehr state in the years of **2005, 2007, 2011, and 2014.**
- 4- Selected distinguished researcher of Persian Gulf University in The Ministry of Science, Research and Technology for the year of **2005 and 2006.**
- 5- Added the name in the list of ISI Scientist from January 2014.

Publication:

List of Published Paper from Ms. C. Theses:

1. N. Iranpoor, B. Tamami, **K. Niknam**; Iodine and iodine supported on polyvinylpyrrolidone as catalysts and reagents for alcoholysis, hydrolysis, and acetolysis of epoxides and thiiranes, *Can. J. Chem.* **75**, 1913 -1919 (**1997**).

List of Published Papers from Ph. D. Theses:

1. H. Sharghi, A. R. Massah, H. Eahghi, **K. Niknam**; Crown Ethers as New Catalysts in the Highly Regioselective Halogenative Cleavage of Epoxides with Elemental Halogens, *J. Org. Chem.*, **63**, 1455-1461 (**1998**).
2. H. Sharghi, **K. Niknam**; Conversion of alcohols into amides using alumina–methanesulfanic acid (AMA) in nitrile Solvents, *Iran. J. Chem. & Chem. Eng.*, **18**, 36-39 (**1999**).
3. H. Sharghi, **K. Niknam**, A. R. Massah; A Facile and Convenient Method for the Preparation of Macrocyclic Diamides, *J. Heterocyclic Chem.*, **36** , 601-606 (**1999**).
4. H. Sharghi, A. R. Massah, **K. Niknam**; Efficient Synthesis of a Range of Benzosubstituted Macrocyclic Diamides, *Iran. J. Chem. & Chem. Eng.*, **19**, 6-12 (**2000**).

List of Published Papers:

1. H. Sharghi, **K. Niknam**, M. Pooyan; The Halogen-Mediated Opening of Epoxides in the Presence of Pyridine–Containing Macrocycles, *Tetrahedron*, **57**, 6057-6064 (**2001**).

2. H. Sharghi, M. A. Nasser, **K. Niknam**; Phenol-Containing Macrocylic Diamides as New Catalysts in the Highly Regioselective conversion of Epoxides to β -Hydroxy Thiocyanates, *J. Org. Chem.*, **66**, 7287- 7293 (**2001**).
3. M. Shamsipur, S. Y. Kazemi, H. Sharghi, **K. Niknam**; Cesium-Selective membrane electrode based on a recently synthesized 16-membered macrocyclic diamide, *Fresenius J. Anal. Chem.*, **371**, 1104-1108 (**2001**).
4. M. Shamsipur, T. Poursaberi, S. Rouhani, **K. Niknam**, H. Sharghi, M. R. Ganjali; Cobalt (II)-Selective Membrane Electrode Based on a Recently synthesized Benzo-Substituted Macrocyclic Diamide, *Analytical Sciences September*, **17**, 1049-1054, (**2001**).
5. M. Shamsipur, G. Khayatian, S. Y. Kazemi, **K. Niknam**, H. Sharghi; The Synthesis of 1,4-Diaza-2,3;8,9-dibenzo-7,10-dioxa-cyclododecane-5,12-dione and Its Use in Calcium-Selective Carbon Paste Electrodes, *Journal of Inclusion Phenomena and macrocyclic chemistry*, **40**, 303-307 (**2001**).
6. M. Shamsipur, S. Y. Kazemi, **K. Niknam** , H. Sharghi; A New PVC-Membrane Electrode Based on a Thia-Substituted Macrocyclic Diamide for Selective Potentiometric Determination of Silver Ion, *Bull. Korean Chem. Soc.*, **23**, 53-58 (**2002**).
7. M. Shamsipur, S. Rouhani, T. Poursaberi, M. R. Ganjali, H. Sharghi, **K. Niknam**; Cobalt (II)-Selective Coated Graphite PVC-Membrane Electrode Based on a Recently synthesized Dibenzopyridino-Substituted Macrocyclic Diamide, *Electroanalysis*, **14**, 729-735, (**2002**).
8. H. Sharghi, Z. Pazirae, **K. Niknam**; Halogenated Cleavage of Epoxides into Halohydrins in the Presence of a Series of Diamine Podants as Catalyst with Elemental Iodine and Bromine, *Bull. Korean Chem. Soc.*, **23**, No. 11, 1611-1615, (**2002**).
9. **K. Niknam**, T. Nasehi; Halogenated Cleavage of Epoxides into Halohydrins with Elemental Iodine and Bromine in the presence of 2,6-Bis[2-(o-amino-phenoxy)methyl]-4-bromo-1-methoxybenzene (**BABMB**), *Tetrahedron*, **58** , 10259-10261, (**2002**).
10. **K. Niknam**, A. R. Kiasat, F. Kazemi, A. Hosseini; "Efficient Reduction of Nitroarenes to the Corresponding Anilines with Sulfur in Basic Media under Solvent-Free Conditions", *Phosphorous, Sulfur and Silicon* **178**, 1385-1389, (**2003**).
11. M. K. Amini, M. Ghaedi, A. Rafi, I. Mohamadpoor-Baltork, **K. Niknam**; "Silver selective electrodes based on methyl-2-pyridyl ketone oxime, phenyl-2-pyridyl ketone oxime and bis[2-(o-carboxythiophenoxy)methyl]-4-bromo-1-methoxybenzene carriers" *Sensors and Actuators B* , **96**, 669-676 (**2003**).
12. **K. Niknam** "Conversion of epoxides into 2-hydroxyethyl thiocyanates with NH_4SCN in the presence of 2,6-bis[2-(o-aminophenoxy)methyl]-4-bromo-1-

methoxybenzene (BABMB) as catalyst" *Phosphorous, Sulfur and Silicon and the Related Elements* , **179**, 499-506 (2004).

13. **K. Niknam**, M. A. Zolfigol, S. M. Razavian, I. Mohammadpoor-Baltork; "Molybdato-phosphoric acid/ NaNO_2 /wet SiO_2 as an efficient system for oxidation of 1,4-dihydropyridines under mild and heterogeneous conditions" *Heterocycles*, **65**, 657-660 (2005).

14. **K. Niknam**, "Pyridinium Chlorochromate (PCC) supported on alumina as an efficient oxidizing agent for oxidation of alcohols under solvent-free conditions" *Asian J. Chem.* , **17**, 2513-2516 (2005).

15. **K. Niknam**, B. Karami, A. R. Kiasat; "Basic $\text{Al}_2\text{O}_3/\text{PCl}_5$ as an efficient reagent for the direct synthesis of nitriles from aldehydes under solvent-free conditions" *Bull. Korean Chem. Soc.* , **26**, 975-978 (2005).

16. **K. Niknam**, "Pyridinium Chlorochromate (PCC) supported onto copper sulfate as a rapid and efficient oxidizing agent for oxidation of alcohols under microwave irradiation" *Asian J. Chem.*, **17**, 2818-2820 (2005).

17. **K. Niknam**, A. R. Kiasat, S. Karimi; "Dowex polymer mediated protection of carbonyl groups" *Synth. Commun.*, **35**, 2231-2236 (2005).

18. B. Karami, M. Montazerzohori, M. Moghadam, M. H. Habibi, **K. Niknam**, " Selective Oxidation of Thiols to Disulfides Catalyzed by Iron (III) – Tetra phenyl Porphyrin using Urea- Hydrogen Peroxide as Oxidizing Reagent" *Turk. J. Chem.*, **29**, 539-546 (2005).

19. **K. Niknam**, M. A. Zolfigol, S. M. Razavian, I. Mohammadpoor-Baltork; "Aromatization of 1,4-dihydropyridines in the presence of methanesulfonic acid/ NaNO_2 /wet SiO_2 under both heterogeneous and solvent-free conditions" *J. Heterocyclic Chem.* , **43**, 199-202 (2006).

20. A. Soleymanpour, N. Ahmadi Rad, **K. Niknam**, "New diamino compound as neutral ionophore for highly selective and sensitive PVC membrane electrode for Be^{2+} ion" *Sensors and Actuators B* **114**, 740-746 (2006).

21. **K. Niknam**, M. A. Zolfigol, "1, 3-Dihalo-5,5-dimethylhydantoin/ NaNO_2 as an Efficient Heterogeneous System for the N-Nitrosation of N,N-Dialkylamines under Mild Conditions " *J. Iran. Chem. Soc.*, **3**, 59-63 (2006).

22. **K. Niknam**, M. A. Zolfigol, Alumina-methanesulfonic acid (AMA)/ NaNO_2 as an efficient procedure for the chemoselective N-nitrosation of secondary amines" *Synth. Commun.* . **36**, 2311-2319 (2006).

23. **K. Niknam**, M. A. Zolfigol, A. Khorramabadi-Zad, R. Zare, M. Shayegh, "Silica-sulfuric acid as an efficient and recyclable catalyst for the methoxymethylation of alcohols under solvent-free conditions" *Catal. Commun.* . **7**, 494-498 (2006).

24. M. A. Zolfigol, M. Bagherzadeh, **K. Niknam**, F. Shirini, I. Mohammadpoor-Baltork, A. Ghorbani Choghmarani, M. Baghbanzadeh; "Oxidation of 1,4-dihydropyridines under mild and heterogeneous conditions using solid acids" *J. Iran. Chem. Soc.*, **3**, 73-80 (2006).
25. M. A. Zolfigol, **K. Niknam**, F. Nazari, "Molybdato-phosphoric acid/ NaNO_2 as an efficient procedure for the chemoselective N-nitrosation of secondary amines" *J. Chin. Chem. Soc.*, **53**, 669-676 (2006).
26. **K. Niknam**, M. A. Zolfigol, F. Rabani; "Aromatization of 1,4-dihydropyridines in the presence of toluenesulfonyl chloride/ NaNO_2 /wet SiO_2 under microwave irradiation" *Heterocyclic Commun.*, **12**, 183-186 (2006).
27. **K. Niknam**, M. A. Zolfigol, T. Sadabadi, A. Nejati; "Preparation of indolylmethanes catalyzed by metal hydrogen sulfates" *J. Iran. Chem. Soc.*, **3**, 318-322 (2006).
28. A. Khazaei, M. A. Zolfigol, Z. Tanbacouchian, M. Shiri, **K. Niknam**; "1,3-Dibromo, 5,5-diethylbarbituric acid as an efficient catalyst for the protection of various alcohols with HMDS under solvent-free conditions" *Catal. Commun.* **8**, 917-920 (2007).
29. **K. Niknam**, N. Daneshvar, " $\text{H}_4\text{SiW}_{12}\text{O}_{40} \cdot x\text{H}_2\text{O}$ as a new catalyst for the synthesis of 3,4-dihydropyrimidin-2(1H)-one" *Heterocycles*, **71**, 373-378 (2007).
30. **K. Niknam**, B. Karami, M. A. Zolfigol, "Silica-sulfuric acid promoted aromatization of 1,2-dihydroquinolines by using NaNO_2 as oxidizing agent under mild and heterogeneous conditions" *Catal. Commun.* **8**, 1427-1430 (2007).
31. **K. Niknam**, Ali Reza Kiasat, B. Karami, Nima Heydari, "Basic Al_2O_3 as a recyclable reagent for the protection of carbonyl groups with phenylhydrazine derivatives and semicarbazides" *Turk. J. Chem.*, **31**, 135-139 (2007).
32. **K. Niknam**, B. Karami, S. Molazadeh, A. Pourkhosro, "Molybdato-phosphoric acid / NaNO_2 as an efficient system for the aromatization of 1,2-dihydroquinolines under mild and heterogeneous conditions" *Synth. Commun.* **37**, 1091-1096 (2007).
33. **K. Niknam**, M. A. Zolfigol, Z. Hossieninejad, N. Daneshvar, "Metal hydrogen sulfates [$\text{M}(\text{HSO}_4)$] as the promoter for an efficient synthesis of 3,4-dihydropyrimidin-2(1H)-one under solvent-free conditions" *Chin. J. Catal.*, **28**, (7), 591-595 (2007).
34. **K. Niknam**, M. A. Zolfigol, T. Sadabadi, " $\text{Ca}(\text{HSO}_4)_2$ mediated conversion of alcohols into N-substituted amides under heterogeneous conditions: a modified Ritter reaction" *J. Iran. Chem. Soc.*, **4**, 199-204 (2007).
35. **K. Niknam**, M. A. Zolfigol, M. Shayegh, R. Zare, "Metal hydrogen sulfates catalyzed methoxymethylation of alcohols under solvent-free conditions" *J. Chin. Chem. Soc.*, **54**, 1067-1073 (2007).

36. A. Hasaninejad, A. Zare, H. Sharghi, **K. Niknam**, M. Shekouhy, "P₂O₅/SiO₂ as an efficient, mild and heterogeneous catalytic system for the condensation of indoles with carbonyl compounds under solvent-free conditions" *Arkivoc* **xiv**, 39-50 (2007).
37. **K. Niknam**, A. Fatehi-Raviz, "Synthesis of 2-substituted Benzimidazoles and Bis-benzimidazoles by Microwave in the Presence of Alumina-Methanesulfonic Acid" *J. Iran. Chem. Soc.*, **4**, 438-443 (2007).
38. M. A. Zolfigol, **K. Niknam**, M. Bagherzadeh, A. G. Choghamarani, N. Koukabi, M. Hajjami, E. Kolvari, "Tribromoisocyanuric Acid (TBCA) and Oxone-MX System as Oxidizing Agents: Oxidative Coupling of Thiols to their Corresponding Disulfides under mild and Heterogeneous Conditions" *J. Chin. Chem. Soc.*, **54**, 1115-1118 (2007).
39. **K. Niknam**, M. A. Zolfigol, E. Madrakian, E. Ghaemi, "Tribromoisocyanuric Acid/ NaNO₂: a New Reagent for Mononitration of Phenols under Mild and Heterogeneous Conditions" *S. Afr. J. Chem.* **60**, 109-112 (2007).
40. M. A. Zolfigol, G. Chehardoli, E. Ghaemi, E. Madrakian, R. Zare, T. Azadbakht, **K. Niknam**, S. Mallakpour, "N-Bromo Reagent Mediated Oxidation of Urazoles to their corresponding Triazolinediones under Mild and Heterogeneous Conditions" *Monatsh. Chem.* **139**, 261-265 (2008).
41. M. Ghaedi, **K. Niknam**, A. Shokrollahi, E. Niknam, H. R. Rajabi, M. Soylak, "Flame atomic absorption spectrometric determination of trace amounts of heavy metal ions after solid phase extraction using modified sodium dodecyl sulfate coated on alumina" *J. Hazardous Materials* **155**, 121-127 (2008).
42. M. Ghaedi, **K. Niknam**, A. Shokrollahi, E. Niknam, H. Ghaedi, M. Soylak, " A solid phase extraction procedure for Fe³⁺, Cu²⁺ and Zn²⁺ ions on 2-phenyl-1H-benzo[d]imidazole loaded on Triton X-100-coated polyvinyl chloride" *J. Hazardous Materials* **158**, 131-136 (2008).
43. M. A. Zolfigol, E. Ghaemi, E. Madrakian, **K. Niknam**, "PEG-N₂O₄ System as an Efficient Reagent both for the Rapid Oxidation of Urazoles and 1,4 Dihydropyridines under Nonaqueous Conditions" *J. Chin. Chem. Soc.* **55**, 704-711 (2008).
44. M. A. Zolfigol, G. Chehardoli, M. Dehghanian, **K. Niknam**, F. Shirini, A. Khoramabadi-Zad " Silica Sulfuric Acid and Al(HSO₄)₃: As Efficient Catalysts for the Formylation of Alcohols by Using Ethyl Formate under Heterogeneous Conditions" *J. Chin. Chem. Soc.* **55**, 885-889 (2008).
45. **K. Niknam**, M. A. Zolfigol, N. safikhani, "M(HSO₄)_n-Promoted Synthesis of 2-Aryl-1-Q4 arylmethyl-1H-1,3-benzimidazole Derivatives" *Synth. Commun.* **38**, 2919-2928 (2008).
46. M. A. Zolfigol, E. Madrakian, E. Ghaemi, **K. Niknam**, "PEG-N₂O₄ System as an Efficient Reagent both for mono and dinitration of phenols" *Synth. Commun.* **38**, 3366-3374 (2008).

47. **K. Niknam**, M. A. Zolfigol, G. Chehardoli, M. Dehghanian, "Tribromoisocyanuric acid and DABCO-Br as an efficient catalysts for the silylation of hydroxyl groups with hexamethyldisilazane" *Chin. J. Catal.* **29**, 901-906 (2008).
48. **K. Niknam**, M. A. Zolfigol, A. Dehghani, "Friedlander quinoline synthesis catalyzed by $M(\text{HSO}_4)_n$ ($M = \text{Al, Mg, Ca}$) under solvent-free conditions" *Heterocycles* **75**, 2513-2521 (2008).
49. M. Shamsipur, R. Ghavami, B. Hemmateenejad, H. Sharghi, K. Alizadeh, **K. Niknam**, Application of Chemometrics and quantum chemical calculations to the study of complexation equilibria between 1,8-bis(o-aminophenoxy)-3,6-dioxaoctane and some transition and heavy metal ions in acetonitrile solution" *Polish J. Chem.* **82**, 1621-1638 (2008).
50. **K. Niknam**, M. A. Zolfigol, Z. Tavakoli, Z. Heydari, "M(HSO₄)_n: as an efficient catalyst for the synthesis of quinoxalines in EtOH at room temperature" *J. Chin. Chem. Soc.* **55**, 1373-1378 (2008).
51. M. A. Zolfigol, P. Salehi, M. Shiri, A. Sayadi, A. Abdoli, H. Keypour, M. Rezaeivala, **K. Niknam** and E. Kolvari, "A simple and efficient route for the synthesis of di and tri(bis(indolyl) methanes) as new triarylmethanes" *Mol. Divers.* **12**, 203-207 (2008).
52. A. Hasaninejad, **K. Niknam**, A. Zare, A. Farsimadan and M. Shekouhy, "Silphox [POCl₃-n(SiO₂)_n] as a New, Efficient, and Heterogeneous Reagent for the Synthesis of Benzimidazole Derivatives Under Microwave Irradiation" *Phosphorus Sulfur Silicon Relat. Elem.* **184**, 147-155 (2009).
53. M. Ghaedi, A. Shokrollahi, **K. Niknam**, E. Niknam, M. Soylak, "Development of efficient method for preconcentration and determination of copper, nickel, zinc and iron ions in environmental samples by combination of cloud point extraction and flame atomic absorption spectrometry" *Cent. Eur. J. Chem.* **7**, 148-154 (2009).
54. M. Ghaedi, **K. Niknam**, A. Shokrollahi, E. Niknam, "Determination of Cu, Fe, Pb and Zn by Flame-AAS after Preconcentration using Sodium Dodecyl Sulfate Coated Alumina Modified with Complexing Agent" *J. Chin. Chem. Soc.* **56**, 150-157 (2009).
55. H. Tajik, **K. Niknam**, F. Parsa, "Using Acidic Ionic Liquid 1-Butyl-3-methylimidazolium Hydrogen Sulfate in Selective Nitration of Phenols under Mild Conditions" *J. Iran. Chem. Soc.*, **6**, 159-164 (2009).
56. M. Ghaedi, A. Shokrollahi, **K. Niknam**, M. Soylak, "Cloud Point Extraction of Copper, Zinc, Iron and Nickel in Biological and Environmental Samples by Flame Atomic Absorption Spectrometry" *Separation Science and Technology*, **44**, 773-786, (2009).
57. **K. Niknam**, M. Damya, "1-Butyl-3-methylimidazolium hydrogen sulfate [bmim]HSO₄: An efficient reusable acidic ionic liquid for the synthesis of 1,8-dioxo-octahydroxanthenes" *J. Chin. Chem. Soc.* **56**, 659-665 (2009).

58. M. Ghaedi, H. Tavallali, A. Shokrollahi, M. Zahedi, **K. Niknam**, M. Soylak, "Preconcentration and Determination of Zinc and Lead Ions by a Combination of Cloud Point Extraction and Flame Atomic Absorption Spectrometry" *Clean*, **37**, 328-333 (2009).
59. **K. Niknam**, D. Saberi, M. Nouri Sefat, "Silica-bonded S-sulfonic acid as a recyclable catalyst for chemoselective synthesis of 1,1-diacetates" *Tetrahedron Letters*, **50**, 4058- 4062 (2009).
60. **K. Niknam**, D. Saberi, "Silica-bonded N-propyl sulfamic acid as an efficient catalyst for the formylation and acetylation of alcohols and amines under heterogeneous conditions" *Tetrahedron Letters*, **50**, 5210- 5214 (2009).
61. **K. Niknam**, D. Saberi, "Preparation of sulfuric acid ([3-(3-silicapropyl)sulfanyl]propyl)ester: A new and recyclable catalyst for the formylation and acetylation of alcohols under heterogeneous conditions" *Applied Catalysis A: General*, **366**, 220- 225 (2009).
62. **K. Niknam**, D. Saberi, M. Mohagheghnejad, "Silica bonded S-Sulfonic acid: a recyclable catalyst for the synthesis of quinoxalines at room temperature" *Molecules*, **14**, 1915- 1926 (2009).
63. **K. Niknam**, M. A. Zolfigol, D. Saberi, M. Khonbazi, "1-Butyl-3-methylimidazolium hydrogen sulfate [bmim]HSO₄: An efficient reusable acidic ionic liquid for the formylation of alcohols" *Chin. J. Chem.*, **27**, 1548- 1552 (2009).
64. **K. Niknam**, D. Saberi, M. Baghernejad, "Silica bonded S-Sulfonic acid: a recyclable catalyst for the synthesis of coumarines" *Chin. Chem. Lett.*, **20**, 1444-1448 (2009).
65. M. Ghaedi, **K. Niknam**, E. Niknam, M. Soylak, "Application of Cloud Point Extraction for Copper, Nickel, Zinc and Iron Ions in Environmental Samples" *J. Chin. Chem. Soc.* **56**, 981-986 (2009).
66. M. Ghaedi, H. Tavallali, M. Keshavarz, **K. Niknam**, "Determination of Copper and Zinc Ions by Flame-AAS After Preconcentration Using Sodium Dodecyl Sulfate Coated Alumina Modified with 3-((1*H*-Indol-3-yl)-3,4,5-trimethyl)-1*H*-indole" *Chin. J. Chem.*, **27**, 2066-2072 (2009).
67. M. Ghaedi, A. Shokrollahi, **K. Niknam**, E. Niknam, S. Derki, M. Soylak, "A Cloud Point Extraction Procedure for Preconcentration/Flame Atomic Absorption Spectrometric Determination of Silver, Zinc, and Lead at Subtrace Levels in Environmental Samples" *J. AOAC International* **92**, 907-913 (2009).
68. M. Ghaedi, A. Shokrollahi, **K. Niknam**, E. Niknam, A. Najibi, M. Soylak, " A solid phase extraction procedure for Fe³⁺, Cu²⁺ and Zn²⁺ ions on 2-phenyl-1*H*-benzo[*d*] imidazole loaded on Triton X-100-coated polyvinyl chloride" *J. Hazardous Materials* **168**, 1022-1027 (2009).

69. **K. Niknam**, M. A. Zolfigol, D. Saberi, H. Molaei, "Preparation of Silica Supported Tin Chloride: As a Recyclable Catalyst for the Silylation of Hydroxyl Groups with HMDS" *J. Chin. Chem. Soc.* **56**, 1257-1264 (2009).
70. **K. Niknam**, D. Saberi, M. Sadegheyan, A. Deris, "Silica-bonded S-sulfonic acid: an efficient and recyclable solid acid catalyst for the synthesis of 4,4' (arylmethylene)bis(1H-pyrazol-5-ols)" *Tetrahedron Letters*, **51**, 692-694 (2010).
71. **K. Niknam**, D. Saberi, H. Molaei, M. A. Zolfigol, "Silica-bonded S-sulfonic acid as a Recyclable Catalyst for the Silylation of Hydroxyl Groups with HMDS" *Can. J. Chem.* **88**, 164-171 (2010).
72. **K. Niknam**, A. Hasaninejad, M. Arman, "Synthesis of some new bis-3,4 dihydropyrimidin-2(1H)-ones by using silica-supported tin chloride and titanium tetrachloride" *Chin. Chem. Lett.* **21**, 399-402 (2010).
73. M. Ghaedi, **K. Niknam**, K. Taheri, H. Hossinian, M. Soylak, "Flame atomic absorption spectrometric determination of copper, zinc and manganese after solid-phase extraction using 2,6-dichlorophenyl-3,3-bis(indolyl)methane loaded on Amberlite XAD-16" *Food Chem. Toxicol.* **48**, 891-897 (2010).
74. **K. Niknam**, D. Saberi, M. Baghernejad, "Preparation of silica bonded S-sulfonic acid: A recyclable catalyst for the synthesis of bis-indolylmethanes" *Phosphorus, Sulfur and Silicon.*, **185**, 875-882 (2010).
75. **K. Niknam**, D. Saberi, M. Nouri Sefat, "Silica-bonded S-sulfonic acid: an efficient and recyclable solid acid catalyst for the three-component synthesis of α -aminonitriles" *Tetrahedron Letters*, **51**, 2959-2962 (2010).
76. **K. Niknam**, M. R. Mohammadzadeh, S. Mirzaee, D. Saberi, "Silica-bonded S-sulfonic acid: an efficient and recyclable solid acid catalyst for the synthesis trisubstituted imidazoles under solvent-free conditions" *Chin. J. Chem.*, **28**, 663-669 (2010).
77. M. Ghaedi, **K. Niknam**, E. Niknam, K. Mortazavi, K. Taheri, M. Soylak, "Development of an Efficient Procedure for Determination of Copper, Zinc and Iron after Solid Phase Extraction on 3-(1-(1-H-Indol-3-yl)-3-phenylallyl)-1H-indole Loaded on Duolite XAD 761" *J. Chin. Chem. Soc.*, **57**, 275-283 (2010).
78. **K. Niknam**, F. Panahi, D. Saberi, M. Mohagheghnejad, "Silica-bonded S-sulfonic acid: an efficient and recyclable solid acid catalyst for the synthesis trisubstituted imidazoles under solvent-free conditions" *J. Heterocycl. Chem.*, **47**, 292-300 (2010).
79. F. Rashedian, D. Saberi, **K. Niknam**, "Silica-bonded N-propoyl-sulfamic acid: A Recyclable Catalyst for the Synthesis of 1,8-Dioxo-decahydroacridines, 1,8-Dioxo-octahydroxanthenes and quinoxalines" *J. Chin. Chem. Soc.*, **57**, 998-1006 (2010).
80. **K. Niknam**, M. R. Mohammadzadeh, S. Mirzaee, "Silica-bonded S-sulfonic Acid as a Recyclable Catalyst for Synthesis of 2,3-Dihydroquinazolin-4(1H)-ones" *Chin. J. Chem.* **29**, 1417-1422 (2011).

81. H. Tavallali, S. Lalehparvar, A. R. Nekoei, **K. Niknam**, "Ion-flotation Separation of Cd(II), Co(II) and Pb(II) Traces Using a New Ligand before Their Flame Atomic Absorption Spectrometric Determinations in Colored Hair and Dryer Agents of Paint" *J. Chin. Chem. Soc.*, **58**, 199-206 (2011).
82. **K. Niknam**, A. Gharavi, M. R. Hormozi-Neghad, F. Panahi, M. T. Sharbati, "Synthesis of some new 1,4-distyrylbenzenes using immobilized palladium nanoparticles on silica functionalized morpholine as a recyclable catalyst" *Synthesis* 1609-1615 (2011).
83. H. Tajik, **K. Niknam**, M. Sarafan, "1-BUTYL-3-METHYLIMIDAZOLIUM HYDROGEN SULFATE ([bmim]-HSO₄)-MEDIATED SYNTHESIS OF POLYSUBSTITUTED QUINOLINES" *Synth. Commun.* **41**, 2103-2114 (2011).
84. M. A. Zolfigol, E. Kolvari, N. Koukabi, S. Salehzadeh, G. Chahardoli, I. S. Tidmarsh, **K. Niknam**, "A New Crystal Engineering Approach for the Synthesis of {[K.18-Crown-6]I₃}_n as a Nanotube-Like and Recyclable Catalyst for the Chemoselective Silylation of Alcohols" *J. Iran. Chem. Soc.*, **8**, 484-494 (2011).
85. **K. Niknam**, S. Mirzaee, "SILICA SULFURIC ACID, AN EFFICIENT AND RECYCLABLE SOLID ACID CATALYST FOR THE SYNTHESIS OF 4,4'-(ARYLMETHYLENE)BIS (1H-PYRAZOL-5-OLS)" *Synth. Commun.* **41**, 2403-2414 (2011).
86. G. Chahardoli, M. A. Zolfigol, V. Khakyzadeh, H. Gholami, **K. Niknam**, "[H₂ Cryptand 222]₂+(Br⁻)₂ as a Tribromide-Type Catalyst for the Trimethylsilylation, Tetrahydropyranlation of Alcohols" *S. Afr. J. Chem.*, **64**, 127-131 (2011).
87. **K. Niknam**, A. Deris, F. Naeimi, F. Majleci, "Synthesis of 1,2,4,5-tetrasubstituted imidazoles using silica-bonded propylpiperazine N-sulfamic acid as a recyclable solid acid catalyst" *Tetrahedron Lett.* **52**, 4642-4645 (2011).
88. **K. Niknam**, N. Jafarpour, E. Niknam, "Silica-bonded N-propylsulfamic acid as a recyclable catalyst for the synthesis of 2,3-dihydroquinazolin-4(1H)-ones" *Chin. Chem. Lett.* **22**, 69-72 (2011).
89. S. Tayebi, M. Baghenejad, D. Saberi, **K. Niknam**, "Sulfuric Acid ([3-(3-Silicapropyl)sulfanyl]propyl)ester as a Recyclable Catalyst for the Synthesis of 4,4'-(Arylmethylene)bis(1H-pyrazol-5-ols)" *Chin. J. Catal.* **32**, 1477-1483 (2011).
90. N. Iravani, N. S. Mohammadzade, **K. Niknam**, "Sulfuric Acid ([3-(3-silicapropyl)sulfanyl]-propyl)ester a recyclable catalyst for the synthesis of 2-aryl-1-arylmethyl-1H-1,3-benzimidazole derivatives)" *Chin. Chem. Lett.* **22**, 1151-1154 (2011).
91. M. Nouri Sefat, D. Saberi, **K. Niknam**, "Preparation of Silica-Based Ionic Liquid an Efficient and Recyclable Catalyst for One-Pot Synthesis of α-Aminonitriles" *Catal. Lett.* **141**, 1713-1720 (2011).

92. M. Nouri Sefat, A. Deris, **K. Niknam**, "Preparation of Silica-bonded Propyl-diethylene-triamine-*N*sulfamic Acid as a Recyclable Catalyst for Chemoselective Synthesis of 1,1-Diacetates" *Chin. J. Chem.* **29**, 2361-2367 (2011).
93. T. Rahi, M. Baghenejad, **K. Niknam**, "Synthesis of α -aminonitriles using silica-bonded *N*-propylpiperazine sulfamic acid as a recyclable catalyst " *Chin. Chem. Lett.* **23**, 1103-1106 (2012).
94. T. Rahi, M. Baghenejad, **K. Niknam**, "Silica-Bonded *N*-Propyl Diethylenetriamine Sulfamic Acid as a Recyclable Solid Acid Catalyst for the Synthesis of α -Aminonitriles" *Chin. J. Catal.* **33**, 1095-1100 (2012).
95. S. M. G. Ahmadi-Ana, M. Baghenejad, **K. Niknam**, "Synthesis of 2-Aryl-1-arylmethyl-1*H*-1,3-benzimidazole Derivatives Using Silica-bonded Propyl-*S*-sulfonic Acid as Recyclable Solid Acid Catalyst" *Chin. J. Chem.* **30**, 517-521 (2012).
96. **K. Niknam**, A. Jamali, M. Tajaddod, A. Deris, "Synthesis of 2-Amino-4,6-diarylnicotinonitriles Using Silica-Bound *N*-Propyl Triethylenetetramine Sulfamic Acid as a Recyclable Solid Acid Catalyst" *Chin. J. Catal.* **33**, 1312-1317 (2012).
97. M. Baghenejad, **K. Niknam**, "Synthesis of 4,4'-(Arylmethylene)bis(1*H*-pyrazol-5-ols) Using Silica-bonded Ionic Liquid as Recyclable Catalyst" *Int. J. Chem.* **4**, 52-60 (2012).
98. **K. Niknam**, A. Jamali, "Silica-Bonded *N*-Propylpiperazine Sodium *n*-Propionate as Recyclable Basic Catalyst for Synthesis of 3,4-Dihydropyrano[*c*]chromene Derivatives and Biscoumarins" *Chin. J. Catal.* **33**, 1840-1849 (2012).
99. H. Tavallali, S. Lalehparvar, A. R. Nekoei, M. G. Jahromi, **K. Niknam**, "Sensitive Ion-Flotation Separation of Ag(I) Traces Using 2-(2-Methoxyphenyl)benzimidazole before Flame Atomic Absorption Spectrometric Determination in Water" *Clean-Soil, Air, Water*, **40**, 640-647 (2012).
100. S. Tayebi, **K. Niknam**, "Synthesis of 4,4'-(Arylmethylene)bis(1*H*-pyrazol-5-ols) via multi-component reactions by using silica-bonded sulfamic acid derivatives" *Iran. J. Catal.* **2**, 69-74 (2012).
101. G. Chahardoli, M. A. Zolfigol, E. Ghaemi, E. Madrakian, **K. Niknam**, S. Mallakpour, "N₂O₄ Chemisorbed onto *n*-Propylsilica Kryptofix 21 and Kryptofix 22 as Two New Functional Polymers for the Fast Oxidation of Urazoles and 1,4-Dihydropyridines" *Heterocycles*, **49**, 596-599 (2012).
102. Z. Tavakoli, M. Baghenejad, **K. Niknam**, "Synthesis of 1,2,4,5-Tetrasubstituted Imidazoles Using Sulfuric Acid ([3-(3-Silicapropyl)sulfanyl]propyl]ester as a Recyclable Solid Acid" *Heterocycles*, **49**, 634-639 (2012).
103. M. Ghaedi, M. Rezakhani, S. Khodadoust, **K. Niknam**, M. Soylak, "The Solid Phase Extraction of Some Metal Ions Using Palladium Nanoparticles Attached to Silica Gel Chemically Bonded by Silica-Bonded *N*-Propylmorpholine as New Sorbent

prior to Their Determination by Flame Atomic Absorption Spectroscopy" *The Scientific Word J.*, 1-9 (2012).

104. S. P. Brojenia, M. Baghernejada, D. Saberi, **K. Niknam**, "Silica immobilized sulfuric acid ([3-(propyl)sulfanyl]propyl]ester and N-propylsulfamic acid as recyclable catalysts for chemoselective synthesis of 1,1-diacetates" *Green Chem. Lett. Rev.*, **6**, 69-75 (2013).

105. M. Abbasi-Tarighat, E. Shahbazi, **K. Niknam**, "Simultaneous determination of Mn^{2+} and Fe^{3+} as 4,4'[(4-chlorophenyl)methylene] bis(3-methyl-1-phenyl-1H-pyrazol-5-ol) complexes in some foods, vegetable and water samples by artificial neural networks" *Food Chem.*, **138**, 991-997 (2013).

106. **K. Niknam**, A. Piran, "Silica-Grafted Ionic Liquids as Recyclable Catalysts for Synthesis of 3,4-Dihydropyrano[c]chromenes and Pyrano[2,3-c]pyrazoles" *Green Sustian. Chem.* **3**, 1-8 (2013).

107. **K. Niknam**, A. Deris, F. Panahi, "Silica-functionalized N-propylpiperazine for immobilization of palladium nanoparticles as efficient heterogeneous catalyst for cyanation reactions" *Chin. J. Catal.* **34**, 718-722 (2013).

108. D. Saberi, M. Sheykhan, **K. Niknam**, A. Heydari, "The Solid Preparation of carbon nanotube-supported $\alpha-Fe_2O_3@CuO$ nanocomposite: a highly efficient and magnetically separable catalyst in cross-coupling of aryl halides with phenols" *Catal. Sci. Technol.* **3**, 2025-2031 (2013).

109. **K. Niknam**, M. Sadeghi-Habibabad, F. Panahi, M. R. Hormozi-Nezhad, "Modification of silica using piperazine for immobilization of palladium nanoparticles: a study of its catalytic activity as an efficient heterogeneous catalyst for Heck and Suzuki reactions" *J. Iran. Chem. Soc.* **10**, 527-534 (2013).

110. M. Ghaedi, **K. Niknam**, S. Zamani, H. A. Larki, M. Roosta, M. Soylak, "Silica chemically bonded N-propyl kriptofix 21 and 22 with immobilized palladium nanoparticles for solid phase extraction and preconcentration of some metal ions" *Material Sci. Eng. C*, **33**, 3180-3189 (2013).

111. **K. Niknam**, M. Sadeghi-Habibabad, A. Deris, N. Aeinjamshid, "Preparation of silica-bonded N-propyltriethylenetetramine as a recyclable solid base catalyst for the synthesis of 4,4'-(arylmethylene)bis(1H-pyrazol-5-ols)" *Monatsh. Chem.* **144**, 987-992 (2013).

112. A. Shokrollahi, S. Joybar, H. E. Haghghi, **K. Niknam**, E. Niknam, "APPLICATION OF CLOUD POINT PRECONCENTRATION AND FLAME ATOMIC ABSORPTION SPECTROMETRY FOR THE DETERMINATION OF CADMIUM AND ZINC IONS IN URINE, BLOOD SERUM AND WATER SAMPLES " *Quim. Nova* **36**, 368-374 (2013).

113. **K. Niknam**, A. Deris, F. Panahi, M. R. Hormozi-Nezhad, "Immobilized palladium nanoparticles on silica functionalized N-propylpiperazine sodium N-

propionate (SBPPSP): activity evaluation in copper-free Sonogashira reaction" *J. Iran. Chem. Soc.* 10, 1291-1296 (2013).

114. **K. Niknam**, N. Borazjani, R. Rashidiam, A. Jamali, "Silica-bonded N-propylpiperazine sodium n-propionate as recyclable catalyst for synthesis of 4H-pyran derivatives" *Chin. J. Catal.* 34, 2245-2254 (2013).

115. S. Ghasemi, M. Baghernejad, **K. Niknam**, "Sulfuric acid {[3-(3-silicapropyl)sulfanyl]propyl}ester as a recyclable solid acid catalyst for the synthesis of α -amino nitriles" *Iran. J. Catal.* 3, 165-169 (2013).

116. M. Sharbati, F. Panahi, A. Nekoei, F. Emami, **K. Niknam**, "Blue to red electroluminescence emission from organic light-emitting diodes based on π -conjugated organic semiconductor materials" *Journal of Photonics for Energy* 4, pp 043599-1 - 043599-13 (2014).

117. **K. Niknam**, S. Mojikhalifeh, "Synthesis of new 1,5-diaryl-3-(arylamino)-1H-pyrrol-2(5H)-ones under catalyst-free and solvent-free conditions" *Mol. Divers.* 18, 111-117 (2014).

118. **K. Niknam**, S. A. Sajadi, R. Hossieni, M. Baghernejad, "Silica-bonded n-propyldiethylenetriamine sulfamic acid as a recyclable solid acid catalyst for the synthesis of coumarin and biscoumarin derivatives" *Iran. J. Catal.* 4, 163-173 (2014).

119. **K. Niknam**, P. Abolpour, "Synthesis of spirooxindole pyrimidines catalyzed by silica-bonded N-propyltriethylenetetramine as a recyclable solid base catalyst in aqueous medium" *Monatsh. Chem.* 146, 683-690 (2015).

Presented papers in internal or national conferences:

1- **K. Niknam**, N. Iranpoor, Fourth Seminar of Organic Chemistry of Iran 17-19 October 1995, *Mashhad*.

2- M. Shamsipur, M. Saeidi, H. Sharghi, **K. Niknam**, Third Biennial Seminar of Electrochemistry of Iran 19-20 May 1999, *Babolsar*.

3- **K. Niknam**, H. Sharghi, 9th Seminar of Organic Chemistry of Iran, 16-18 October, 2001, *Imam Hossein University*.

4- **K. Niknam**, H. Sharghi, M. A. Nasser, 9th Seminar of Organic Chemistry of Iran, 16-18 October, 2001, *Imam Hossein University*.

- 5- **K. Niknam**, H. Sharghi, Z. Pazirae, 10th Seminar of Organic Chemistry of Iran, 10-12 September, **2002** *Gillan* .
- 6- **K. Niknam**, A.R. Kiasat, F. Kazemi, A. Hosseini, 10th Seminar of Organic Chemistry of Iran. 10-12 September **2002**, *Gillan* .
- 7- **K. Niknam**, T. Nasehi, 10th Seminar of Organic Chemistry of Iran , 10-12 September, **2002** *Gillan*.
- 8- **K. Niknam** 2nd International Conference on Chemistry and its applications, December 6-8, **2003** Doha-Qatar.
- 9- **K. Niknam**, D. Khalili, twelfth FEChem Conference on Heterocycles in BIO-Organic Chemistry, June 20-23, **2004** , Siena-Italy.
- 10- **K. Niknam**, 11th Seminar of Organic Chemistry of Iran, 1-3 February, **2005** Isfahan.
- 11- **K. Niknam**, M. A. Zolfigol, N. Jafarpoor, E. Niknam, The First Seminar of Medicinal & Natural Products Chemistry, May 10-11, **2005**, Shiraz, Iran.
- 12- **K. Niknam**, M. A. Zolfigol, Sixth Tetrahedron Symposium, 29 June- 1st July **2005**, Bordeaux, France.
- 13- **K. Niknam**, M. A. Zolfigol, A. Khoramabadi-Zad, R. Zare, 12th Iranian Seminar of Organic Chemistry, 7-9 March, **2006** *Ahvaz*.
- 14- **K. Niknam**, M. A. Zolfigol, A. Khoramabadi-Zad, M. Shayegh, 12th Iranian Seminar of Organic Chemistry, 7-9 March, **2006** *Ahvaz*.
- 15- **K. Niknam**, A. Hosseinian, 12th Iranian Seminar of Organic Chemistry, 7-9 March, **2006** *Ahvaz*.
- 16- **K. Niknam**, M. A. Zolfigol, F. Rabani, 12th Iranian Seminar of Organic Chemistry, 7-9 March, **2006** *Ahvaz*.
- 17- B. Karami, **K. Niknam**, M. Montazerzohori, A. Pourkhosro, 13th Iranian Seminar of Organic Chemistry, 7-9 September, **2006** *Hamedan*.
- 18- H. Tajik, M. A. Zolfigol, **K. Niknam**, R. Eslami, 13th Iranian Seminar of Organic Chemistry, 7-9 September, **2006** *Hamedan*.
- 19- A. Khazaei, M. A. Zolfigol, Z. Tanbakouchian, M. Shiri, **K. Niknam**, 13th Iranian Seminar of Organic Chemistry, 7-9 September, **2006** *Hamedan*.
- 20- **K. Niknam**, M. A. Zolfigol, T. Sadabadi, 13th Iranian Seminar of Organic Chemistry, 7-9 September, **2006** *Hamedan*.

- 21- **K. Niknam**, M. A. Zolfigol, 13th Iranian Seminar of Organic Chemistry, 7-9 September, **2006 Hamedan**.
- 22- **K. Niknam**, M. A. Zolfigol, E. Ghaemi, E. Madrakin, 13th Iranian Seminar of Organic Chemistry, 7-9 September, **2006 Hamedan**.
- 23- **K. Niknam**, M. A. Zolfigol, E. Madrakin, E. Ghaemi, 13th Iranian Seminar of Organic Chemistry, 7-9 September, **2006 Hamedan**.
- 24- **K. Niknam**, M. A. Zolfigol, N. Safikhani, Eighth Tetrahedron Symposium, 26-29 June **2007**, Berlin, Germany.
- 25- **K. Niknam**, A. Dehghani, Eighth Tetrahedron Symposium, 26-29 June **2007**, Berlin, Germany.
- 26- H. Tajik, **K. Niknam**, F. Parsa, Eighth Tetrahedron Symposium, 26-29 June **2007**, Berlin, Germany.
- 27- **K. Niknam**, M. Arman, 12th Asian Chemical Congress (12ACC), 23-25 August **2007**, Kuala Lumpur, Malaysia.
- 28- E. Ghaemi, E. Madrakian, M. A. Zolfigol, **K. Niknam**, 14th Iranian Seminar of Organic Chemistry, 4-6 March, **2008 Zabol**.
- 29- E. Madrakian, E. Ghaemi, M. A. Zolfigol, **K. Niknam**, 14th Iranian Seminar of Organic Chemistry, 4-6 March, **2008 Zabol**.
- 30- **K. Niknam**, D. Saberi, 14th Iranian Seminar of Organic Chemistry, 4-6 March, **2008 Zabol** (pp 88).
- 31- **K. Niknam**, D. Saberi, 14th Iranian Seminar of Organic Chemistry, 4-6 March, **2008 Zabol** (pp 157).
- 32- **K. Niknam**, A. Hasaninejad, M. Shekouhy, 14th Iranian Seminar of Organic Chemistry, 4-6 March, **2008 Zabol**.
- 33- **K. Niknam**, D. Saberi, 14th Iranian Seminar of Organic Chemistry, 4-6 March, **2008 Zabol** (pp 237).
- 34- M. A. Zolfigol, P. Salehi, M. Shiri, A. Sayadi, A. Abdoli, H. Keypour, M. Rezavalla, **K. Niknam**, 14th Iranian Seminar of Organic Chemistry, 4-6 March, **2008 Zabol**.
- 35- **K. Niknam**, D. Saberi, H. Molaei, 15th Iranian Seminar of Organic Chemistry, 27-29 August, **2008 Kermanshah**.
- 36- **K. Niknam**, D. Saberi, M. Khonbazi, 15th Iranian Seminar of Organic Chemistry, 27-29 August, **2008 Kermanshah**.

- 37- **K. Niknam**, M. Baghernejad, D. Saberi, 15th Iranian Seminar of Organic Chemistry, 27-29 August, **2008** Kermanshah.
- 38- **K. Niknam**, F. Panahi, D. Saberi, M. Mohagheghnejad, 15th Iranian Seminar of Organic Chemistry, 27-29 August, **2008** Kermanshah.
- 39- **K. Niknam**, D. Saberi, M. Mohagheghnejad, 15th Iranian Seminar of Organic Chemistry, 27-29 August, **2008** Kermanshah.
- 40- **K. Niknam**, S. Mirzaee, D. Saberi, 11th Tetrahedron Symposium, 22-25 June **2010**, Beijing, China.
- 41- **K. Niknam**, First United Arab Emirates Conference on Pure and Applied Chemistry (ECPAC11), 1-3 March **2011**, Sharjah, United Arab Emirates.
- ٤٢- **K. Niknam**, A. Gharavi, F. Panahi, 10th **International Conference on Materials Chemistry (MC10)**, 4-7 July **2011**, Manchester, UK.
- 43- E. Shahbazi, M. Abbasi-Tarighat, **K. Niknam**, E. Tammari, 3th Biennial Seminar of Chemometrics, 9-10 November **2011** Tabriz.
- 44- M. Razavi, M. Abbasi-Tarighat, **K. Niknam**, E. Tammari, 3th Biennial Seminar of Chemometrics, 9-10 November **2011** Tabriz.
- 45- **K. Niknam**, 18th Iranian Seminar of Organic Chemistry, 7-9 March, **2012** Zahedan.
- 46- R. Rashidian, **K. Niknam**, 1st National Conference on Multi-Component Reactions, 29-30 May, **2012** Kerman.
- 47- **K. Niknam**, A. Jamali, N. Borazjani, 1st National Conference on Multi-Component Reactions, 29-30 May, **2012** Kerman.
- 48- N. Borazjani, R. Rashidian, **K. Niknam**, 1st National Conference on Multi-Component Reactions, 29-30 May, **2012** Kerman.
- 49- F. Abiar, **K. Niknam**, 1st National Conference on Multi-Component Reactions, 29-30 May, **2012** Kerman.
- 50- M. Makvandi, **K. Niknam**, 1st National Conference on Multi-Component Reactions, 29-30 May, **2012** Kerman.
- 51- R. Hosseini, **K. Niknam**, 19th Iranian Seminar of Organic Chemistry, 5-7 September, **2012** Rafsanjan.
- 52- M. Rahi, **K. Niknam**, 19th Iranian Seminar of Organic Chemistry, 5-7 September, **2012** Rafsanjan.
- 53- **K. Niknam**, S. Mojikhalifeh, 19th Iranian Seminar of Organic Chemistry, 5-7 September, **2012** Rafsanjan.

54- N. Borazjani, **K. Niknam**, 20th Iranian Seminar of Organic Chemistry, 3-5 July, 2013 Hamedan.

55- P. Abolpour, **K. Niknam**, 20th Iranian Seminar of Organic Chemistry, 3-5 July, 2013 Hamedan.

56- **K. Niknam**, 16th Congress Chemistry of Iran, 6-8 September, 2013 Yazd.

57- M. Sadeghi, A. Izadbakhsh, **K. Niknam**, M. Setoudeh, The 8th International Chemical Engineering Congress & Exhibition (IChEC 2014) Kish, Iran, 24-27 February, 2014.

58- S. A. Sajjadi, A. Izadbakhsh, **K. Niknam**, S. Khoramian, The 8th International Chemical Engineering Congress & Exhibition (IChEC 2014) Kish, Iran, 24-27 February, 2014.

59- M. Sadeghi, A. Izadbakhsh, **K. Niknam**, S. A. Sajjadi, M. Setoudeh,
اولین همایش ملی تکنولوژی های نوین در شیمی و پتروشیمی، مرکز همایش های بین المللی پژوهشگاه
صنعت نفت کشور، ۲۸ فروردین ۱۳۹۳

60- S. A. Sajjadi, A. Izadbakhsh, **K. Niknam**, M. Sadeghi,
اولین همایش ملی تکنولوژی های نوین در شیمی و پتروشیمی، مرکز همایش های بین المللی پژوهشگاه
صنعت نفت کشور، ۲۸ فروردین ۱۳۹۳

61- **K. Niknam**, S. Mansouri, 22th Iranian Seminar of Organic Chemistry, 19-21 August, 2014 Tabriz.

62- S. Mansouri, **K. Niknam**, 22th Iranian Seminar of Organic Chemistry, 19-21 August, 2014 Tabriz.

63- **K. Niknam**, 17th Congress Chemistry of Iran, 1-3 September, 2014 Rafsanjan.

64-