

# Ali Keivanloo

## Professor of Organic Chemistry



Faculty of Chemistry, Shahrood University of Technology, Shahrood, IRAN

**Phone No. :** +98-2332392205

**E-Mail:** [akeivanloo@yahoo.com](mailto:akeivanloo@yahoo.com) & keivanloo@shahroodut.ac.ir

### EDUCATION

**PhD:** 2002, Organic Chemistry, Department of Chemistry, Ferdowsi University of Mashhad, Mashhad, IRAN

**PhD Thesis:** Synthesis of New Derivatives of “Thiazolopyrimidine, Thiazolotriazine, Thiazolotriazole, and Thiazolobenzimidazole” Using Pd-Cu Catalyst

**Msc:** 1995, Organic Chemistry, Department of Chemistry, Ferdowsi University of Mashhad, Mashhad, IRAN

**Msc Thesis:** Synthesis of New Sulfonamides as Potential of Anti-Tumor Agents

**Bsc:** 1990, Chemistry, Department of Chemistry, Kashan University, Kashan, IRAN

### PERSONAL

Birth Date: 4 February, 1968

Married, 2 children

Nationality: Iranian

## **TEACHING EXPERIENCE**

### **Graduate:**

1. New Topics in Organic Chemistry (PhD)
2. Reactive Intermediates (PhD)
3. Advanced Heterocyclic Chemistry (PhD)
4. Advanced Physical Organic Chemistry (Msc)
5. Advanced Spectroscopy of Organic Compounds (Msc)
6. Synthesis of Organic Compounds (Msc)
7. Heterocyclic Chemistry (Mcs)

### **Undergraduate:**

1. Organic Chemistry I & II & III
2. Physical Organic Chemistry
3. Separation and Identification of Organic Chemicals
4. Application of Spectroscopy in Organic Chemistry
5. General Chemistry

## **RESEARCH EXPERIENCE**

1. Hybrid Compounds
2. Organic Synthesis
3. Coupling Reactions
4. Heterocyclic Compounds
5. Methodology and Catalyst

## **AWARDS**

1. Tetrahedron Letters Most Cited Paper 2005-2008 Award
2. Journal of Organometallic Chemistry Highly Cited Research Paper 2013 Award

3. One of Best Researchers in Shahrood University of Technology

### Graduate student supervisor

1. Supervised 15 PhD students
2. Supervised 47 master's students

### ARTICLES

#### 1. A number of selected articles

1. Efficient synthesis of 2-phenyl-3-substituted furo/thieno [2, 3-b] quinoxalines via Sonogashira coupling reaction followed by iodocyclization and subsequent palladium-catalyzed ...  
T Besharati-Seidani, **A Keivanloo\***, B Kaboudin, T Yokomatsu  
*RSC Advances* 2016, 6 (87), 83901-83908
2. Synthesis of novel 1, 5-disubstituted pyrrolo [1, 2-a] quinazolines and their evaluation for anti-bacterial and anti-oxidant activities  
SS Kazemi, **A Keivanloo\***, H Nasr-Isfahani, A Bamoniri  
*RSC Advances* 2016, 6 (95), 92663-92669
3. Efficient synthesis of novel 1, 2, 3-triazole-linked quinoxaline scaffold via copper-catalyzed click reactions  
**A Keivanloo\***, M Bakherad, F Abbasi, T Besharati-Seidani, AH Amin  
*RSC Advances* 2016, 6 (107), 105433-105441
4. Novel multi-component synthesis of 1, 4-disubstituted pyrrolo [1, 2-a] quinoxalines through palladium-catalyzed coupling reaction/hetero-annulation in water  
**A Keivanloo\***, SS Kazemi, H Nasr-Isfahani, A Bamoniri  
*Tetrahedron* 2016, 72 (41), 6536-6542
5. Efficient one-pot synthesis of new 1-amino substituted pyrrolo [1, 2-a] quinoline-4-carboxylate esters via copper-free Sonogashira coupling reactions  
**A Keivanloo\***, SS Kazemi, H Nasr-Isfahani, A Bamoniri  
*Molecular diversity* 2017, 21 (1), 29-36
6. Development of an unexpected reaction pathway for the synthesis of 1,2,4-trisubstituted pyrrolo[1,2-a]quinoxalines through palladium-catalyzed cascade reactions  
**A Keivanloo\***, A Soozani, M Bakherad, M Mirzaee, HA Rudbari, G Bruno  
*Tetrahedron* 2017, 73 (12), 1633-1639
7. Use of ligand-assisted click reactions for the rapid synthesis of novel 1, 2, 3-triazole pharmacophore-based 1, 2, 4-triazines and their benzo-fused analogues  
**A Keivanloo\***, M Bakherad, M Lotfi

*Tetrahedron*, 2017, 2017 73 (40), 5872-5882

8. One-pot Synthesis of Quinoxaline Chalcones from Commercially Available Calcium Carbide Through Palladium-Catalyzed Coupling Reactions  
A Soozani, **A Keivanloo\***, M Bakherad  
*ChemistrySelect*, 2017, 20172 (30), 9701-9705
9. A one-pot synthetic approach for the construction of a thiazolo [3, 2-a] benzimidazole-linked quinazoline scaffold via palladium-catalyzed reactions  
**A Keivanloo\***, A Soozani, M Bakherad, AH Amin  
*Organic Chemistry Frontiers* 2018, 5 (7), 1135-1142
10. Rapid Synthesis of 2-Alkanol-substituted Pyrrolo [2, 3-b] quinoxalines from Propargylic Alcohols via Copper-free Sonogashira Coupling Reaction at Room Temperature  
M Fakharian, **A Keivanloo\***, MR Nabid  
*Journal of Heterocyclic Chemistry* 2018, 55, 1331-1338
11. One-pot palladium-catalyzed synthesis of functionalized 10H-pyrido [1, 2-a] quinoxalin-10-ones under copper-free conditions  
A Soozani, **A Keivanloo\***, M Bakherad  
*Tetrahedron* 2018, 74 (1), 150-156
12. PVC-supported ethylenediamine-copper(II) complex: a heterogeneous, efficient, and eco-friendly catalyst for multi-component synthesis of 1,2,3-triazoles by reaction of propargyl bromide, aromatic azides, and amines in water  
**A Keivanloo\***, M Bakherad, M Khosrojerdi, AH Amin  
*Research on Chemical Intermediates* 44 (4), 2571-2583
13. Using Calcium Carbide as an Acetylene Source for Cascade Synthesis of Pyrrolo[2,3-*b*]quinoxalines via Copper-Free Sonogashira Coupling Reaction  
M Fakharian, **A Keivanloo\***, MR Nabid  
*Helvetica Chimica Acta* 2018, 101 (4), e1800004
14. Regioselective synthesis of 2, 3-disubstituted 1-alkyl pyrrolo [2, 3-b] quinoxalines through palladium-catalyzed Heck reaction of chalcones and evaluation of their anti anti-bacterial activities  
T Besharati-Seidani, **A Keivanloo\***, B Kaboudin, A Yoshida, T Yokomatsu  
*Tetrahedron* 2018, 74 (19), 2350-2358
15. One-pot synthesis of biologically active 1,2,3-trisubstituted pyrrolo[2,3-*b*]quinoxalines through a palladium-catalyzed reaction with internal alkyne moieties  
**A Keivanloo\***, T Besharati-Seidani, B Kaboudin, A Yoshida, T Yokomatsu  
*Molecular diversity* 2018, 22 (4), 879-891
16. Novel one-pot synthesis of 1-alkyl-2-(aryloxy)methyl-1*H*-pyrrolo[2,3-*b*]quinoxalines via copper-free Sonogashira coupling reaction  
**A Keivanloo\***, M Fakharian, MR Nabid, AH Amin

17. New Pd-Mediated Cascade Reactions for Synthesis of Novel Functionalized 1, 3-Oxazole-Linked Quinoxaline Amines  
**A Keivanloo\***, S Abbaspour, M Bakherad, B Notash  
*ChemistrySelect 2019, 4 (4), 1366-1370*
18. Synthesis of Thiazolo [3, 2-b][1, 2, 4] triazoles through Pd-Catalyzed Copper-Free Sonogashira Coupling Reaction  
M Bakherad, A Kakav Ghalehnoei, **A Keivanloo**  
*ChemistrySelect, 2019, 4 (31), 9238-9240*
19. Salophen copper (II) complex-assisted click reactions for fast synthesis of 1, 2, 3-triazoles based on 1,4-naphthoquinone scaffold, anti-bacterial evaluation and molecular docking study  
S Abbaspour, **A Keivanloo\***, M Bakherad, S Sepehri  
*Chemistry & biodiversity, 2019, 9, 16, e180041*
20. Sodium 4-amino-5-hydroxy-7-sulfonaphthalene-2-sulfonate an efficient ligand for click reaction in water: Synthesis of 1, 2, 3-triazole pharmacophore linked-quinazolinone scaffold  
**A Keivanloo\***, M Bakherad, L Mokhtarei  
*Journal of Heterocyclic Chemistry 2020, 57, 859-866*
21. 1, 2, 3-Triazoles based 3-substituted 2-thioquinoxalines: Synthesis, anti-bacterial activities, and molecular docking studies  
**A Keivanloo\***, M Fakharian, S Sepehri  
*Journal of Molecular Structure 2020, 1202, 127262*
22. Click Synthesis of 1,2,3-Triazoles-Linked 1,2,4-Triazino[5,6-b]indole, Antibacterial Activities and Molecular Docking Studies  
**A Keivanloo\***, S Sepehri, M Bakherad, M Eskandari  
*ChemistrySelect 2020, 5 (13), 4091-4098*
23. Design, Synthesis, Antibacterial Evaluation and Molecular Docking Study of New 3-Aminoquinoxaline-2-alkynyl Carboxylate Esters  
S Abbaspour, **A Keivanloo\***, M Bakherad, S Sepehri  
*ChemistrySelect 2020, 5 (28), 8701-8706*
24. Synthesis, Antibacterial Activity and Molecular Docking Study of a Series of 1, 3-Oxazole-Quinoxaline Amine Hybrids  
**A Keivanloo\***, S Abbaspour, S Sepehri, M Bakherad  
*Polycyclic Aromatic Compounds, 2020, 1-14*
25. Synthesis, antibacterial activity and molecular docking study of a series of 1, 3-oxazole-quinoxaline amine hybrids  
**A Keivanloo\***, S Abbaspour, S Sepehri, M Bakherad  
*Polycyclic Aromatic Compounds 2020, 42(5), 2378-2391.*
26. One-pot sequential coupling reactions as a new practical protocol for the synthesis of

unsymmetrical 2,3-diethynyl quinoxalines and 4-ethynyl-substituted pyrrolo[1,2-a]quinoxalines

**A Keivanloo\***, S Lashkari, M Bakherad, M Fakharian, S Abbaspour

**Molecular diversity 2021, 25 (2), 981-993**

27. One-pot synthesis of polyhydroquinoline-1, 2, 3-triazole hybrids in deep eutectic solvent as anti-leishmanial agents and molecular modeling studies  
S Molaie, G Farhadi, M Talezari, N Gholizadeh, K Mahnam, **A Keivanloo\***, Saghi Sepehri  
*Journal of Biomolecular Structure and Dynamics 2023, 42 (9), 4834-4850.*
28. New Hybrid Compounds from Imidazole and 1, 2, 3-Triazole: efficient Synthesis of Highly Substituted Imidazoles and Construction of Their Novel Hybrid Compounds by Copper-Catalyzed Click Reaction  
M Hashemipour, **A Keivanloo\***, M Bakherad  
*Polycyclic Aromatic Compounds 2023, 44 (8), 5201-5217.*
29. Magnetic nanoparticle supported choline chloride-glucose (deep eutectic solvent) for the one-pot synthesis of 3, 4-disubstituted isoxazol-5 (4H)-ones  
H Atharifar, **A Keivanloo**, B Maleki, M Baghayeri, H Alinezhad  
*Research on Chemical Intermediates 2024, 50 (1), 281-296.*
30. Efficient Synthesis of Hybrid Compounds from 1, 2, 3-Triazoles, Benzimidazole, and Thiazolo [3, 2-a] Benzimidazole Through Palladium-Catalyzed Coupling-Heteroannulation Reactions  
H Falahatkar, H Nasr-Isfahani, **A Keivanloo\***  
*Polycyclic Aromatic Compounds, 2024, 1-11.*

## 2. Total articles

1. Efficient Synthesis of Hybrid Compounds from 1, 2, 3-Triazoles, Benzimidazole, and Thiazolo [3, 2-a] Benzimidazole Through Palladium-Catalyzed Coupling-Heteroannulation Reactions  
H Falahatkar, H Nasr-Isfahani, **A Keivanloo\***  
*Polycyclic Aromatic Compounds, 2024, 1-11.*  
<https://doi.org/10.1080/10406638.2024.2426632>
2. Synthesis of new 1, 2, 3-triazole-linked pyrimidines by click reaction  
F Cheldavi, M Bakherad, **A Keivanloo**, M Nikpour  
*Phosphorus, Sulfur, and Silicon and the Related Elements, 2024, 199(7-9), 725-731.*
3. Synthesis, and molecular docking studies of novel 1, 2, 3-triazoles-linked pyrazole carboxamides as significant anti-microbial and anti-cancer agents  
LK Tamardash, M Bakherad, H Bakherad, F Jalali, Z Mozafari, **A. Keivanloo**  
*Results in Chemistry 2024, (11), 101842, https://doi.org/10.1016/j.rechem.2024.101842.*

4. New Hybrid Compounds from Imidazole and 1, 2, 3-Triazole: efficient Synthesis of Highly Substituted Imidazoles and Construction of Their Novel Hybrid Compounds by Copper-Catalyzed Click Reaction  
M Hashemipour, **A Keivanloo\***, M Bakherad  
*Polycyclic Aromatic Compounds* 2023, 44 (8), 5201-5217.
5. Synthesis of new 4, 5-disubstituted-6-methyl-2-(methylthio) pyrimidines via C-C coupling reactions  
F Cheldavi, M Bakherad, **A Keivanloo**, A Rezaeifard, M Nikpour  
*Journal of Sulfur Chemistry* 2024, 45 (5), 690-702.
6. One-pot synthesis of polyhydroquinoline-1, 2, 3-triazole hybrids in deep eutectic solvent as anti-leishmanial agents and molecular modeling studies  
S Molaei, G Farhadi, M Talezari, N Gholizadeh, K Mahnam, **A Keivanloo\***, Saghi Sepehri  
*Journal of Biomolecular Structure and Dynamics* 2024, 42 (9), 4834-4850.
7. Magnetic nanoparticle supported choline chloride-glucose (deep eutectic solvent) for the one-pot synthesis of 3, 4-disubstituted isoxazol-5 (4H)-ones  
H Atharifar, **A Keivanloo**, B Maleki, M Baghayeri, H Alinezhad  
*Research on Chemical Intermediates* 2024, 50 (1), 281-296.
8. An Efficient Synthesis of New Pyrazole-Linked Oxazoles via Sonogashira Coupling Reaction  
LK Tamardash, M Bakherad, **A Keivanloo**, B Notash  
*ChemistrySelect* 2023, 8 (18), e202204985.
9. Green synthesis of chromeno [2, 3-c] pyrazoles and 4, 4'-(arylmethylene) bis (1H-pyrazole-5-ols) via catalyst-free multicomponent reaction in magnetized distilled water  
M Bakherad, **A Keivanloo**, MA Bajestani, A Rezaeifard  
*South African Journal of Chemistry* 2023, 77, 171-177.
10. Green Synthesis of 4H-Pyrans and 4H-Chromenes in Magnetized Distilled Water  
M Bakherad, **A Keivanloo**, H Rezaei, A Rezaeifard  
*Iran. J. Chem. Chem. Eng. Research Article* 2023, 41, 3
11. Synthesis and UV-visible study of polyhydroquinolines and 1, 4-dihydropyridines in magnetized distilled water  
M Bakherad, G Bagherian, F Mosayebi, A Rezaeifard, **A Keivanloo**  
*Polycyclic Aromatic Compounds* 2022, 42 (6), 3501-3522.
12. Synthesis of 1, 4-Disubstituted-1, 2, 3-Triazoles Catalyzed by Part-per-Million CuI in Magnetized Distilled Water  
M Bakherad, **A Keivanloo**, A Abdia, S Kamrani Tamardasha  
*Journal of Applied Chemical Research* 2022, 16 (3), 36-47
13. Synthesis, antibacterial activity and molecular docking study of a series of 1, 3-oxazole-quinoxaline amine hybrids  
**A Keivanloo**, S Abbaspour, S Sepehri, M Bakherad  
*Polycyclic Aromatic Compounds* 2020, 42(5), 2378–2391.

14. Synthesis of Novel 1, 2, 3-Triazoles-linked Indoles Through Copper (I)-catalyzed Click Reactions  
M Bakherad, A **Keivanloo**, N Rahmani, L Kamrani  
*Organic Chemistry Research* 2021, 7 (2), 216-221.
15. Multi-component Synthesis of 1, 2, 3-Triazoles from Carboxylic Acids, 3-Bromoprop-1-yne and Azides Using Click Chemistry  
A **Keivanloo**, H Eshraghi, M Bakherad, M Fakharian  
*Organic Preparations and Procedures International* 2021, 53 (5), 431-440
16. Synthesis of hydantoin alkynes through palladium-catalyzed reaction, antibacterial evaluation, and molecular docking studies  
A **Keivanloo**, S Lashkari, S Sepehri, M Bakherad, S Abbaspour  
*Journal of the Chinese Chemical Society* 2021, 68 (7), 1317-1327
17. One-pot sequential coupling reactions as a new practical protocol for the synthesis of unsymmetrical 2, 3-diethynyl quinoxalines and 4-ethynyl-substituted pyrrolo [1, 2-a ...  
A **Keivanloo**, S Lashkari, M Bakherad, M Fakharian, S Abbaspour  
*Molecular diversity* 2021, 25 (2), 981-993
18. Synthesis of pyrano [2, 3-d] pyrimidines and pyrido [2, 3-d] pyrimidines in the magnetized deionized water based on UV-visible study  
M Bakherad, G Bagherian, A Rezaeifard, F Mosayebi, B Shokoohi, A **Keivanloo**  
*Journal of the Iranian Chemical Society* 2021, 18 (4), 839-852
19. Greener synthesis of 3, 4-disubstituted isoxazole-5 (4H)-ones in a deep eutectic solvent  
H Atharifar, A **Keivanloo**, B Maleki  
*Organic Preparations and Procedures International* 2020, 52 (6), 517-523
20. Synthesis, Antibacterial Activity and Molecular Docking Study of a Series of 1, 3-Oxazole-Quinoxaline Amine Hybrids  
A **Keivanloo**, S Abbaspour, S Sepehri, M Bakherad  
*Polycyclic Aromatic Compounds*, 2020, 1-14
21. Design, Synthesis, Antibacterial Evaluation and Molecular Docking Study of New 3-Aminoquinoxaline-2-alkynyl Carboxylate Esters  
S Abbaspour, A **Keivanloo**, M Bakherad, S Sepehri  
*ChemistrySelect* 2020, 5 (28), 8701-8706
22. Ligand-assisted click reaction for the synthesis of new hybrid compounds based on 1, 2, 3-triazoles and 5, 5-diphenylimidazolidine-2, 4-dione and evaluation of their ...  
A **Keivanloo**, S Lashkari, S Sepehri, M Bakherad, S Abbaspour  
*Monatshefte für Chemie-Chemical Monthly* 2020, 151 (6), 935-943
23. Click Synthesis of 1,2,3-Triazoles-Linked 1,2,4-Triazino[5,6-b]indole, Antibacterial Activities and Molecular Docking Studies  
A **Keivanloo**, S Sepehri, M Bakherad, M Eskandari  
*ChemistrySelect* 2020, 5 (13), 4091-4098



24. Three-component synthesis of 1, 2, 3-triazoles in the presence of PVC-supported triazole-copper complex by click reaction  
**A Keivanloo**, M Gholizadeh, E Rezaii  
*Applied Chemistry* 2020, 15 (54), 71-84
25. 1, 2, 3-Triazoles based 3-substituted 2-thioquinoxalines: Synthesis, anti-bacterial activities, and molecular docking studies  
**A Keivanloo**, M Fakharian, S Sepehri  
*Journal of Molecular Structure* 2020, 1202, 127262
26. Sodium 4-amino-5-hydroxy-7-sulfonaphthalene-2-sulfonate an efficient ligand for click reaction in water: Synthesis of 1, 2, 3-triazole pharmacophore linked-quinazolinone scaffold  
**A Keivanloo**, M Bakherad, L Mokhtarei  
*Journal of Heterocyclic Chemistry* 2020, 57, 859-866
27. Catalyst-free, a Green, and Efficient Protocol for the Synthesis of 1, 8-dioxooctahydroxanthenes in Magnetized Water  
**M Bakherad**, A Keivanloo, A Hossein Amin, A Farkhondeh  
*Journal of the Mexican Chemical Society* 63 (4), 199-207
28. SBA-15-supported-dithizone-copper (I): An efficient heterogeneous catalyst for synthesis of 1, 4-disubstituted 1, 2, 3-triazoles in water  
A Kakavand Ghalenoei, M Bakherad, **A Keivanloo**  
*Iranian Journal of Catalysis* 2019, 9 (4), 293-303
29. Phthalocyanine Complex Supported on Polysilsesquioxane: A New and Efficient Catalyst for Oxidation of Benzyl Alcohol  
M Mirzaee, M Faghani, **A Keivanloo**  
*Applied Chemistry* 2019, 14 (52), 135-148
30. Salophen copper (II) complex-assisted click reactions for fast synthesis of 1, 2, 3-triazoles based on 1,4-naphthoquinone scaffold, anti-bacterial evaluation and molecular docking study  
S Abbaspour, **A Keivanloo\***, M Bakherad, S Sepehri  
*Chemistry & biodiversity*, 2019, 9, 16, e180041
31. Synthesis of Thiazolo [3, 2-b][1, 2, 4] triazoles through Pd-Catalyzed Copper-Free Sonogashira Coupling Reaction  
M Bakherad, A Kakav Ghalenoei, **A Keivanloo**  
*ChemistrySelect*, 2019, 4 (31), 9238-9240
32. Catalyst-free green synthesis of tetrahydro-benzo[b]pyrans in magnetized water: experimental aspects and molecular dynamics simulation  
M Bakherad, F Moosavi, **A Keivanloo**, R Doosti, E Moradian, M Armaghan  
*Research on Chemical Intermediates* 2019, 45 (5), 2981-2997
33. New Pd-Mediated Cascade Reactions for Synthesis of Novel Functionalized 1, 3-Oxazole-Linked Quinoxaline Amines  
**A Keivanloo\***, S Abbaspour, M Bakherad, B Notash

*ChemistrySelect* 2019, 4 (4), 1366-1370

34. Novel one-pot synthesis of 1-alkyl-2-(aryloxy)methyl-1*H*-pyrrolo[2,3-*b*]quinoxalines via copper-free Sonogashira coupling reaction  
A Keivanloo\*, M Fakharian, MR Nabid, AH Amin  
*Journal of the Iranian Chemical Society* 2019, 16 (1), 151-160
35. Ligand-free, copper-catalyzed, one-pot, three-component synthesis of novel 1, 2, 3-triazole-linked indoles in magnetized water  
M Bakherad, A Keivanloo, Z Bakherad, Z Toozandejani, M Mahdavi  
*Journal of the Chinese Chemical Society* 2019, 66, 674-682
36. Synthesis of 1, 4-Disubstituted 1, 2, 3-Triazoles via 1, 3-Dipolar Cycloaddition/C–N Coupling of Propargyl Alcohols/amines and Aryl Azides  
M Bakherad, AK Ghalehnoei, A Keivanloo  
*Journal of Heterocyclic Chemistry* 2018, 55 (12), 2683-2692
37. Practical and efficient synthesis of tetrahydrobenzo[*b*]pyran using caffeine supported on silica as an ionic liquid solid acid catalyst  
M Bakherad, A Keivanloo, E Moradian, AH Amin, R Doosti, M Armaghan  
*Journal of the Iranian Chemical Society* 2018, 15 (12), 2811-2819
38. One-pot synthesis of biologically active 1,2,3-trisubstituted pyrrolo[2,3-*b*]quinoxalines through a palladium-catalyzed reaction with internal alkyne moieties  
A Keivanloo\*, T Besharati-Seidani, B Kaboudin, A Yoshida, T Yokomatsu  
*Molecular diversity* 2018, 22 (4), 879-891
39. Synthesis of New Derivatives of 1, 2, 3-Triazole-Linked Phthalazine-1, 4-dione in Water: Experimental Aspects and Molecular Docking Calculations  
M Bakherad, S Karami, A Keivanloo, S Sepehri  
*ChemistrySelect* 2018, 3 (39), 11042-11047
40. Preparation of radiopaque polyurethane–urea/graphene oxide nanocomposite using 4-(4-iodophenyl)-1, 2, 4-triazolidine-3, 5-dione  
S Shiralizadeh, H Nasr-Isfahani, A Keivanloo, M Bakherad, B Yahyaei, ...  
*Journal of materials science* 2018, 53 (14), 9896-9912
41. Regioselective synthesis of 2, 3-disubstituted 1-alkyl pyrrolo [2, 3-*b*] quinoxalines through palladium-catalyzed Heck reaction of chalcones and evaluation of their anti ...  
T Besharati-Seidani, A Keivanloo,\* B Kaboudin, A Yoshida, T Yokomatsu  
*Tetrahedron* 2018, 74 (19), 2350-2358
42. Using Calcium Carbide as an Acetylene Source for Cascade Synthesis of Pyrrolo[2,3-*b*]quinoxalines via Copper-Free Sonogashira Coupling Reaction  
M Fakharian, A Keivanloo\*, MR Nabid  
*Helvetica Chimica Acta* 2018, 101 (4), e1800004

43. PVC-supported ethylenediamine-copper (II) complex: a heterogeneous, efficient, and eco-friendly catalyst for multi-component synthesis of 1, 2, 3-triazoles by reaction of ...  
**A Keivanloo\***, M Bakherad, M Khosrojerdi, AH Amin  
*Research on Chemical Intermediates* **44 (4), 2571-2583**
44. Sonogashira Reaction: Synthesis of Novel Derivatives of 3-Aryl-Substituted 6-Chloroimidazo [2, 1-a] phthalazines Catalyzed by Pd-Cu in Water  
M Bakherad, S Karami, **A Keivanloo**  
*ChemistrySelect* **2018, 3 (9), 2435-2440**
45. Single and binary catalyst systems based on nickel and palladium in polymerization of ethylene  
M Kimiaghalam, HN Isfahani, GH Zohuri, **A Keivanloo**  
*Applied Organometallic Chemistry* **2018, 32 (3), e4153**
46. One-pot palladium-catalyzed synthesis of functionalized 10H-pyrido [1, 2-a] quinoxalin-10-ones under copper-free conditions  
A Soozani, **A Keivanloo**, M Bakherad  
*Tetrahedron* **2018, 74 (1), 150-156**
47. Synthesis and Antibacterial Evaluation of 1, 2, 3-Triazole-based Quinazolines Using Click Chemistry in the Presence of Salophen Schiff Base Ligand  
SS Kazemi, **A Keivanloo\***, H Nasr-Isfahani, AH Amin  
*Journal of Heterocyclic Chemistry* **2018, 55, 651-1657**
48. Rapid Synthesis of 2-Alkanol-substituted Pyrrolo [2, 3-b] quinoxalines from Propargylic Alcohols via Copper-free Sonogashira Coupling Reaction at Room Temperature  
M Fakharian, **A Keivanloo\***, MR Nabid  
*Journal of Heterocyclic Chemistry* **2018,55, 1331-1338**
49. Metal-and catalyst-free, one-pot, three-component synthesis of propargylamines in magnetized water: experimental aspects and molecular dynamics simulation  
M Bakherad, F Moosavi, R Doosti, **A Keivanloo**, M Gholizadeh  
*New Journal of Chemistry* **2018, 42 (6), 4559-4566**
50. A one-pot synthetic approach for the construction of a thiazolo [3, 2-a] benzimidazole-linked quinazoline scaffold via palladium-catalyzed reactions  
**A Keivanloo\***, A Soozani, M Bakherad, AH Amin  
*Organic Chemistry Frontiers* **2018, 5 (7), 1135-1142**
51. A catalyst-free and green method for synthesis of 9-substituted-9H-diuracilopyrans in magnetized water: experimental aspects and molecular dynamics simulation  
M Bakherad, Z Moosavi-Tekyeh, **A Keivanloo**, M Gholizadeh, ...  
*Research on Chemical Intermediates* **2018, 44 (1), 373-387**
52. Rapid, green, and catalyst-free one-pot three-component syntheses of 5-substituted 1H-tetrazoles in magnetized water

- M Bakherad, R Doosti, **A Keivanloo**, M Gholizadeh, K Jadidi  
*Journal of the Iranian Chemical Society* 2017, 14 (12), 2591-2597
53. Radiopaque nanocomposites based on biocompatible iodinated N-phenyl amide-modified methyl methacrylate/acrylic acid copolymer  
S Shiralizadeh, H Nasr-Isfahani, **A Keivanloo**, M Bakherad  
*Journal of Polymer Research* 2017, 24 (11), 186
54. One-pot Synthesis of Quinoxaline Chalcones from Commercially Available Calcium Carbide Through Palladium-Catalyzed Coupling Reactions  
A Soozani, **A Keivanloo\***, M Bakherad  
*ChemistrySelect*, 2017, 20172 (30), 9701-9705
55. Use of ligand-assisted click reactions for the rapid synthesis of novel 1, 2, 3-triazole pharmacophore-based 1, 2, 4-triazines and their benzo-fused analogues  
**A Keivanloo\***, M Bakherad, M Lotfi  
*Tetrahedron*, 2017, 2017 73 (40), 5872-5882
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M Bakherad, R Doosti, **A Keivanloo**, M Gholizadeh, A H Amin  
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