

Curriculum Vita



Personal

Name: Arash Mouradzadegun
Title: Prof. of Organic Chemistry
Date of Birth: July 25, 1972
Marital status: Married, two children

Mailing Address

Department of Chemistry, Faculty of Science
University of Shahid Chamran, Ahvaz-Iran
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Current Academic Positions

Prof. of Organic Chemistry, Department of Chemistry, University of Shahid Chamran.
Head of Chemistry Dept. of Drilling Center of Excellence & Research Center of University of Shahid Chamran.

Education

One-year study visit program (Postdoc) in the University of Justus- Liebig Universitat, Giessen, Germany (2000).
Ph.D. in Organic Chemistry, University of Tehran, Tehran, Iran, 1995 to 2000 (Grade: Excellent).
M. Sc. in Organic Chemistry, University of Tehran, Tehran, Iran, 1993-95 (Grade: 17.67/20).
B. Sc. in Applied Chemistry, University of Tehran, Tehran, Iran, 1989-93 (Grade: 16.08/20).
Diploma in Science, Ahvaz, Iran, 1989 (Grade: 17.92/20).

Achievements

Young Active Researcher of University of Shahid Chamran **2006**.
Active Researcher of University of Shahid Chamran **2004**.
Patent registration in the field of thermal resistance polymer **2003**.

Field specialty/ Interest

- 1) Organic Synthesis and Nanochemistry (Specially Supramolecules and Drug synthesis)
- 2) Photochemistry of Organic Compound.
- 3) Synthesis of smart polymer and composites.
- 3) Drilling mud System and Shale Control.

Administrative Activity

Head of Chemistry Dept. of Research & Development of Petrochemical and Polymer Office (2005-2009).

Head of Chemistry Dept. of Research Center of National Iranian Drilling Co. (2006- 2009).

Head of Chemistry Dept. of Faculty of Science, Shahid Chamran Uni. Ahvaz-Iran (2009- 2011).

Member of the Supervisory and Evaluation Board at Shahid Chamran Uni. Ahvaz-Iran (2016- 2017).

Head of Central Laboratory, Shahid Chamran Uni. Ahvaz-Iran (2016- 2018).

Secretary of Working Group of HSE at Shahid Chamran Uni. Ahvaz-Iran (2016- 2018).

Adviser to the President of the University on Welfare at Shahid Chamran Uni. Ahvaz-Iran (2016- 2020).

Head of Chemistry Dept. of Drilling Center of Excellence & Research Center of University of Shahid Chamran (2019- until now).

Teaching Experiences

- i. Teaching Spectroscopy Exercises, Organic Chemistry, General Chemistry and College Chemistry in the University of Tehran, Tehran – Iran (**1997-99**).
- ii. Teaching Experimental in Organic Chemistry in the University of Justus- Liebig Universitat, Giessen – Germany (**1999-2000**).
- iii. Teaching Advanced NMR, Advanced Organic Chemistry, Advanced Heterocyclic Chemistry, Advanced Synthesis in Organic Chemistry, Organic Synthesis: The Disconnection Approach, Reactive Intermediates in Organic Chemistry, Organic Chemistry (I, II, III), Topic in Organic Chemistry, Pharmaceutical Chemistry, Spectroscopy in Organic Chemistry and General Chemistry in University of Shahid Chamran, Ahvaz, Iran (**2001** until now).

Industrial Projects:

"Study and determination of new WBM for shale drilling as suitable alternative for OBM" (code: 5116) **2009-2011**.

" Introducing a new solvent for plug problem in drilling of oil wells"**2007-2008**.

"Feasible study of using PE pipe for gas lines in khouzestan state" **2005-2007**.

"Synthesis and characterization of mono glycerol stearate in batch scale" **1994**.

List of publication

ISI&ISC Papers

- 1) "Nanostructured polyethersulfone membranes for dye and protein separation: Exploring antifouling role of holmium (III) molybdate nanosheets" Mohammad Reza Ganjali, Alireza Badiei, Arash Mouradzadegun, Vahid Vatanpour, Hamidreza Rezaia, Seyed Soroush Mousavi Khadem, Farnaz Shamiry, M. Tajammal Munir, Sajjad Habibzadeh, Mohammad Reza Saeb, *Polymer Testing*, Doi.org/10.1016/j.polymertesting.2020.106796.
- 2) "Metalloporphyrin Supported on Hyper Cross-Linked Polymer: Green Protocol for Reduction of Nitroarenes", Sheida Hamid, Arash Mouradzadegun, *J. Incl. Phenom. Macrocycl. Chem.* DOI: 10.1007/s10847-020-01021-x.
- 3) "Thermal Analysis of Crosslinking Reactions in Epoxy Nanocomposites Containing Polyvinyl Chloride (PVC)-functionalized Nickel-doped Nano-Fe₃O₄", Maryam Jouyande, Mohammad Reza Ganjali, zohre Karami, Morteza Rezapour, Babak Bagheri, Payam Zarrintaj, Arash Mouradzadegun, Sajjad Habibzadeh, Mohammad Reza Saeb, *J. Compos. Sci.* **2020**, *4*, 107; doi:10.3390/jcs4030107.
- 4) "Design and synthesis of supramolecular polymer network equipped with Pd-porphyrin: An efficient and recoverable heterogeneous catalyst for C – C coupling reactions" Sheida Hamid, Arash Mouradzadegun, *Catalysis Letters* (DOI: 10.1007/s10562-020-03344-3).
- 5) "Erbium (III) molybdate as a new nanofiller for fabrication of antifouling Polyether sulfone membranes" Mohammad Reza Ganjali, Alireza Badieid, Arash Mouradzadegun, Vahid Vatanpour, Seyed Soroush Mousavi Khadem, M. Tajammal Munir, Sajjad Habibzadeh, Mohammad Reza Saeb, Ismail Koyuncu, *Materials Today Communications* **2020**, *25*, 101379.
- 6) "A reactive and environmentally friendly protocol for expeditious synthesis of various resorcinarenes using zinc hydrogen sulfate" Arash Mouradzadegun, Mohammad Reza Ganjali, Neda Kheirandish, Fatemeh Abadast, *Supramolecular Chemistry*, **2019**, Vol. 31, No. 6, 377–381.
- 7) "A Facile and Green Synthesis of 2,4,6-Triarylpyridine Derivatives Using the Modified Mesoporous Organic Polymer Based on Calix [4]Resorcinarene: As an Efficient and Reusable Heterogeneous Acidic Catalysts" A. Mouradzadegun, M. Mostafavi, M. R. Ganjali, *Kinetics and Catalysis*, **2019**, Vol. 60, No. 2, pp. 187–195.
- 8) "A novel sulfamic acid functionalized nano-catalyst on the basis of calix[4]resorcinarene for the green one-pot synthesis of 2H-indazolo[2,1-b]phthalazine-triones under thermal solvent-free conditions" A. Mouradzadegun, M. Mostafavi, M. R. Ganjali *Reac Kinet Mech Cat* (**2018**) 124:741–755.
- 9) "Sulfamic acid functionalized 3D-network nanoporous polymer based on calix[4]resorcinarene: a recyclable heterogeneous nanocatalyst for the efficient synthesis of 14-aryl-14H-dibenzo[a,j]xanthenes under thermal neat conditions", A. Mouradzadegun, M. Mostafavi, M. R. Ganjali, *Journal of Inclusion Phenomena and Macroscopic Chemistry* (**2018**) 91:25–36.

- 10) "Design and synthesis of a magnetic hierarchical porous organic polymer: a new platform in heterogeneous phase-transfer catalysis" A. Mouradzadegun, M. R. Ganjali, M. Mostafavi, *Applied Organometallic Chemistry*, DOI: 10.1002/aoc.4214.
- 11) Design and Synthesis of a New Porous Organic Polymer Equipped with N-propyl Sulfamic Acid Functionalities: As an Efficient Heterogeneous Catalyst for the Synthesis of 1,8-Dioxo octahydroxanthene Derivatives A. Mouradzadegun, M. Mostfavi, *Polymer Engineering & Science*, 2018, 8, 58, 1362-1370.
- 12) "An Eco-benign and High Speed Protocol for the Synthesis of 2-Aroyl-3,5-diarylfuran Derivatives Using Teflon-supported Iodine" A. Mouradzadegun, M. R. Ganjali, F. Abadast, F. Rahimi, *Monatshefte für Chemie* (2018) 149:27–32.
- 13) "Facile and Stereospecific Synthesis of Various Dienones using Task-specific Ionic Liquid/ Borohydride as Stable and Promoted Hydrogen Release Reagent" A. Mouradzadegun, M. R. Ganjali, F. Abadast, Sabbagh *J. Heterocyclic Chem.*, (2017), 54, 3574..
- 14) "Synthesis and biological evaluation of novel imidazopyrimidin-3- amines as anticancer agents" M. Mahdavi, S. Dianat, B. Khavari, S. Moghimi, M. Abdollahi, M. Safavi, A. Mouradzadegun, S. Kabudanian Ardestani, R. Sabourian, S. Emami, T.Akbarzadeh, A. Shafiee, A. Foroumadi, *Chem Biol Drug Des.* 2017;89:797–805.
- 15) "Rational design, fabrication and characterization of a thiol-rich 3D-porous hypercrosslink polymer as a new engineered Hg²⁺ sorbent: enhanced selectivity and uptake" F. Abadast, A. Mouradzadegun, M. R. Ganjali, *New J. Chem.*, (2017),41,5458.
- 16) " Synthesis and characterization of supramolecule grafted on modified magnetic nanoparticles: new hybrid organic-inorganic phase transferecatalyst" A. Mouradzadegun, P. Kazemianfard, S. Boroon, *Monatshefte für Chemie*, (2017) 148:367–374.
- 17) "Quinoline-based imidazole-fused heterocycles as new inhibitors of 15-lipoxygenase" S. Dianat, S.Moghimi, M. Mahdavi, H. Naderi, A. Moradi, L. Firoozpour, S. Emami, A. Mouradzadegun, A. Shafiee, A. Foroumadi, *J. Ezyme inhib. And Med. Chem.* (2016) 31(S3): 205–209.
- 18) "Copper-loaded hypercrosslinked polymer decorated with pendant amine groups: a green and retrievable catalytic system for quick [3+2]Huisgen cycloaddition in water" A. Mouradzadegun, M. Mostafavi, *RSC Adv.*, (2016) 6, 42522-531.
- 19) "Synthesis of 2-aroylfuran and novel 3,5-diaroyl-4- arylisoxazole derivatives by ring contraction of pyrylium salts" A. Mouradzadegun, F. Abadast, S. Elahi, N. Askarikia, *Research on Chemical Intermediates* (2016) 42: 3147-3155.
- 20) "A straightforward route for covalently anchored pyridinium salt onto upper rim of c methylcalix[4]resorcinarene with selective antibacterial activity against Gram-positive bacteria" A. Mouradzadegun, S. Elahi, F. Abadast, Hossein Motamedi, *Research on Chemical Intermediates* (2016) 42:1583–1591
- 21) "A highly efficient and eco-friendly approach for the synthesis of triarylpyridine and novel triaryl-[1,3]thiazepine derivatives via ring transformation and expansion of triarylthiopyrylium salts" A. Mouradzadegun, S. Elahi & P. Ghanbarzadeh *Phosphorus, Sulfur, and Silicon*, 2015 190: 2031–2039.

- 22) "Sulfamic acid-functionalized hydroxyapatite encapsulated γ -Fe₂O₃ nanoparticles as a magnetically recoverable catalyst for synthesis of N-fused imidazole-quinoline conjugates under solvent-free condition" A. Mouradzadegun, L.Ma'mani, M. Mahdavi, Z. Rashid, A. Shafiee, A. Foroumadi and S. Dianat, *RSC Adv.*, (2015) 5, 83530–83537.
- 23) "Combined isocyanide-based multi-component Ullmann-type reaction: an efficient access to novel nitrogen-containing pentacyclic compounds" S. Dianat, M. Mahdavi, S.Moghimi, A. Mouradzadegun, A. Shafiee, A. Foroumadi, *Mol. Divers* (2015) 19:797–805.
- 24) "An improved and highly efficient one-pot three-component synthesis of 2,4,6-triarylpyridines catalyzed by melamine trisulfonic acid under solvent-free condition" A. Mouradzadegun, A. Kiasat And H. Asareh, *Rev. Roum. Chim.*, (2015), 60(10), 943-947.
- 25) "Silica phospho sulfonic acid: A solid acid catalyst for efficient one-pot three-component synthesis of 2,4,6-triarylpyridines under solvent-free condition" A. Mouradzadegun, A. Kiasat and H. Asareh, *Journal of Applied Research in Chemistry*, (2015) No. 4 35-39.
- 26) "Improved intermolecular hydride transfer using task-specific ionic liquid: a reasonable and environmentally benign approach for the synthesis of bioactive 2H-thiopyran derivatives" A. Mouradzadegun, Z. Najafi & S. Elahi, *Journal of Sulfur Chemistry*, (2015) Vol. 36, No. 6, 624–629.
- 27) "Synthesis of a Functionalized Polymer Based on a Calix[4]resorcinarene via Covalently Anchored Cationic Moieties: A Reactive Solid Support for Ring Transformation and Expansion of Thio-pyrylium Salts" Arash Mouradzadegun, Somayeh Elahi, Fatemeh Abadast, *Synthesis*, 47(2015) 630-640.
- 28) "Rapid and convenient synthesis of triarylpyridine derivatives using ammonium carbamate as an efficient solid ammonia source assisted by microwave irradiation" Arash Mouradzadegun, Fatemeh Abadast, Fatemeh Behzadi-Pasham, *Current Microwave Chemistry*, (2015) 2, no. 2.
- 29) "An improved organic/inorganic solid receptor for colorimetric cyanide-chemosensing in water: Towards new mechanism aspects, simplistic use and portability" A. Mouradzadegun, F. Abadast *Chemical Communication* (2014) 15983-15986.
- 30) "Synthesis of a 3D-network polymer supported Bronsted acid ionic liquid based on calix[4]-resorcinarene via two post-functionalization steps: a highly efficient and recyclable acid catalyst for the preparation of symmetrical bisamides" A. Mouradzadegun, S. Elahi and F. Abadast, *RSC Advances*, (2014) 4, 31239.
- 31) "One-Pot Synthesis of Tweezer-Like Calix[4]resorcinarene Decorated with Pendant Heterocyclic Moieties: An Efficient and Recyclable Heterogeneous PTC for the Preparation of Azidohydrins in Water" A. Mouradzadegun, S. Elahi and F. Abadast, *Catalysis Letters*, (2014) 1636-1641.
- 32) "Tetraphenolate c-methylcalix[4]resorcinarene as a new heterogeneous phase transfer catalyst for ring-opening of triaryl substituted pyrylium salts in aqueous biphasic medium" A. Mouradzadegun, F. Abadast, *Monatshefte Fur Chemie* (2014) 1663-1667.
- 33) "An innovative and atom-efficient synthesis of bioactive 2-arylpyridine derivatives using macroporous polymer supported cyanide" A. Mouradzadegun, F. Abadast, *Synlett* (2014) 448-452.

- 34) "Expeditious Synthesis of Aromatic Cyanodienones Using Neutral Alumina as a Versatile Heterogenous Catalyst" A. Mouradzadegun, F. Abadast, *Synthetic Communications* (2014)640-647.
- 35) "Phosphosulfonic acid, an efficient solid acid catalyst for the one-pot preparation of 14-aryl-14H-dibenzo[a,j]xanthenes and 1,8-dioxooctahydroxanthenes under solvent-free conditions" A. Kiasat, A. Mouradzadegun, S. J. Saghanezhad, *Journal of the Serbian Chemical society* (2013)1291-1299.
- 36) "Poly(4 -vinylpyridinium butane sulfonic acid) hydrogen sulfate: An efficient, heterogeneous poly(ionic liquid), solid acid catalyst for the one -pot preparation of 1-amidoalkyl-2-naphthols and substituted quinolines under solvent-free conditions" A. Kiasat, A. Mouradzadegun, S. J. Saghanezhad, *Chinese Journal of Catalysis* 34 (2013) 1861–1868.
- 37) Phospho sulfonic acid: a novel and efficient solid acid catalyst for the one-pot preparation of indazolo[1,2-b]- phthalazinetriones, A. Kiasat, A. Mouradzadegun, S. J. Saghanezhad, *Journal of the Serbian Chemical Society* (2013) 469-476.
- 38) "Thermally-induced ring contraction as a novel and straightforward route for the synthesis of 2-furyl acetonitrile derivatives" A. Mouradzadegun, F. Abadast, *Tetrahedron Lett.* (2013) 2641-2644.
- 39) "3D-Network Porous Polymer Based on Calix[4]Resorcinarenes as an Efficient Phase Transfer Catalyst in Regioselective Conversion of Epoxides to Azidoalcohols" A. Mouradzadegun, A. R. Kiasat, Pegah Kazemian Fard, *Catalysis Communications*, (2012), 47, 1-5.
- 40) "An improved, safe, and efficient conversion of triarylpyrylium perchlorates to corresponding cyanodienones using Amberlite IRA 910[CN]" A. Mouradzadegun, F. Abadast, *Monatshefte für Chemie*, (2013) 375-379.
- 41)"High Speed Reduction of Triarylpyrylium Salts Using Zn(BH₄)₂/SiO₂ as an Efficient and Regiospecific Reducing Reagent" A. R. Kiasat, A. Mouradzadegun, S. Elahi, *E. J. Chem*(2013), 1-5.
- 42) "Solid Phase Extraction of Zirconium as Arsenazo(III) Complex on Agar and Spectrophotometric Determination"N. Pourreza, A. Mouradzadegun and S. Mohammadi, *J. Iran. Chem. Soc.*, 8, No. 4 (2011) 951-957.
- 43) "Al(HSO₄)₃/silica gel as a novel catalytic system for the ring opening of epoxides with thiocyanate anion under solvent-free conditions" A. R. Kiasat*, A. Mouradzadegun, S. Elahi, M. Fallah-Mehrjardi, *Chinese Chemical Letters*, 21 (2010) 146–150.
- 44) "Reductive Alkylation of Pentaphenylthiopyrylium Perchlorate; An Approach to Regiospecific Synthesis of Hexasubstituted 2H-Thiopyrans" A. Mouradzadegun, Fatemeh Ghasem Hezave, Maryam Karimnia *Phosphorus, Sulfur and Silicon.* (2010)185:84–87.
- 45) "Facile and Selective Solvent Free Synthesis of 2-Isoxazoline Under Microwave Irradiation" A. Mouradzadegun, S. Dianat, *J. Heterocyclic Chem.* (2009) 46, 778.

- 46) "Novel Cesium membrane sensor based on a cavitand" Mohamad Reza Ganjali, Parviz Norouzi, Mehdi Emami, Mahmood Golmohamadi, Hoosang Pirelahi, and Arash Mouradzadegun, *J.Chin. Chem. Soc.*, Vol.53, No. 5, (2006)1-6.
- 47) "The effect of the the electron-donating methoxy group on the photoisomerization of 4-methyl-2,4,6-triaryl-4H-thiopyran-1,1-dioxides" H. Pirelahi, F. Jafarpour, G. Rezanejad, J. Amanishamsabad, A. Mouradzadegun, *Phosphorus, Sulfur and Silicon*, 180 (2005) 2555-2561.
- 48) "Efficient reduction of thiopyrylium salts to corresponding 2H- and 4H-thiopyrans under solvent free condition: regioselectivity and mechanism" A. Mouradzadegun, N. Gheitasvand, *Phosphorus, Sulfur and Silicon*, 180 (2005) 1385-1388.
- 49) "Determination of salbutamol, amikacin and paromomycin sulfate by a novel sulfate polymeric membrane sensor based on 2,6-diphenyl 4-(4-methoxyphenyl)pyrylium perchlorate" Mohamad Reza Ganjali, Ali Sepehri, Azadeh Daftari, Parviz Norouzi, Hoosang Pirelahi, and Arash Mouradzadegun, *Microchim Acta Vol.149*, (2005)245-249.
- 50) "Novel imidazole pvc-based membrane sensor based on 4-methyl-2,6-diphenylthiopyrylium" Mohamad Reza Ganjali, Mahnaz Abdi, Hoosang Pirelahi, Arash Mouradzadegun, and Mohamad Reza Sohrabi, *Analytical Letters*, Vol. 37, No. 2, (2004) 197-208.
- 51) "Highly selective pvc-based membrane electrode on a 2,6-diphenylpyrylium fluoroborate" Mohamad Reza Ganjali, Vahideh Akbar, Azadeh Daftari, Parviz Norouzi, Hoosang Pirelahi, and Arash Mouradzadegun, *J.Chin. Chem. Soc.*, Vol.51, No. 2, (2004)1-5.
- 52) "Novel thallium(I)-selective membrane electrode base on a podal ligand" Mohamad Reza Ganjali, Mohamad Reza Pourjavadi, Arash Mouradzadegun, Morteza Hosseini, and Farhang Mizani, *Bull. Korean Chem. Soc. vol. 24, No. 11*, (2003) 1-6.
- 53) "Novel imidazole pvc-based sensor based on a thiopyrylium compound" Mohamad Reza Ganjali, Mahnaz Abdi, Hoosang Pirelahi, Arash Mouradzadegun, and Mohamad Reza Sohrabi, *Analytical Science Vol. 19* (2003) 1387-1390.
- 54) "Novel regioselectivite photochemical transformation of 4-methyl-2,4,,6-triphenyl-4H-thiopyran-1,1-dioxide" A. Mouradzadegun, H. Pirelahi , *J. Photochem. Photobiol. A: Chem.* 138 (2001) 203-205.
- 55) "Synthesis and photoisomerization of 4,4-diphenyl-2,6-di(p-methoxyphenyl)-4H-thiopyran-1,1-dioxide, an approach to the regioselectivity in photorearrangement of 2,4,4,6-tetraaryl-4H-thiopyran-1,1-dioxides" A. Mouradzadegun, H. Pirelahi, *Phosphorus, Sulfur and Silicon*, 165 (2000) 149-154.
- 56) "Kinetic study on photoisomerization of some tetra and hexasubstituted 4H-thiopyran" A. Mouradzadegun, H. Pirelahi, *Phosphorus, Sulfur and Silicon*, 157 (2000) 193-199.
- 57) "Photochromism and photoisomerization in some 2,3,4,4,5,6-hexasubstituted 4H- thiopyran" H. Pirelahi, H. Rahmani, A. Mouradzadegun, A. Fathi, A. Moujoodi, *Phosphorus, Sulfur and Silicon*, 120-121 (1997) 404-408.

58) "The effects of 3,5-substitutions on the photochromism and photoisomerization of some 2,3,4,4,5,6-hexasubstituted 4H-thiopyrans" H. Pirelahi, H. Rahmani, A. Mouradzadegun, A. Fathi, A. Moujoodi, *J. Photochem. Photobiol. A: Chem.* 101 (1996) 33-37.

b) Seminars

i) International

"Improved synthesis of 2-aryl-3,5-diaryl furans under solvent free condition" A. Mouradzadegun, 41st IUPAC World Chemistry Congress August 2007 Turin Italy.

"Facile Conversion of Triarylpyrylium Salts to 2-Aroyl-3,5-diarylfuran Under Solvent free Condition Using Microwave Irradiation" A. Mouradzadegun* and F. Rahimi, 12th Asian Chemical Congress(12ACC), August 2007, Kuala Lumpur, Malaysia.

"Reaction of alkyl c-nucleophiles with pentaaryl thiopyrylium salt; regioselective synthesis of hexasubstituted 2H- thiopyrans" A. Mouradzadegun, 22th Int. Symp. On Organic Chemistry of Sulfur (ISOCS XXII) August 2006 Saitama Japan.

"Efficient reduction of thiopyrylium salts to corresponding 2H- and 4H-thiopyrans under solvent free condition: regioselectivity and mechanism" A. Mouradzadegun, N. Gheitasvand, 21th Int. Symp. On Organic Chemistry of Sulfur (ISOCS XXI) July 2004 Madrid Spain.

"Photocolouration of 4-methyl-2,4,6-triphenyl-4H-thiopyran in argon matrix" 20th Int. Symp. On Organic Chemistry of Sulfur (ISOCS XX) July 2002 Arizona USA.

"Photochromism and photoisomerization in some 2,3,4,4,5,6-hexasubstituted 4H-thiopyrans" 17th Int. Symp. On the Organic Chemistry of Sulfur (ISOCS 17th)1996 Tsukuba Japan.

ii) Iranian

"Investigation and feasible study of removal of some heavy metals from water using olive pomace" S. Sorkhe, A. Mouradzadegun, S. M. Sayednejad, N. Pourreza, 3rd Iranian Applied Chemistry August 29, 2018, Bu-Ali Sina University, Iran

"Tetracosane degradation by native strains isolated from oil contaminated soils" Elham Kanoori, Mohammad Roayaei Ardakani , Hossein Motamedi , Arash Mouradzadegan, 17th International and Iranian Congress of Microbiology 23-25 August 2016 Tehran Uni. Of Medical Science, Tehran-Iran.

"Investigation of antifungal effect of hydroalcoholic extract of *hypnae boegesenii* in comparison with standard antibiotic" Layla Heidarizadeh, Abbas Mollataghi, Afrooz, Saadat, Arash Mouradzadegan, S Mansour Seyednejad, 3rd Conference on New Research Achievements in Chemistry & Chemical Engineering, September 23, 2016, Tehran- Iran.

"One pot conversion reaction of epichlorohydrin to some azidoalcohols under solvent free condition" Saham Naseri, Alireza Kiasat and Arash Mouradzadegan The 4th National Conference on Modern Chemistry, Chemical Engineering and Petroleum, November 05, 2015, Mahshahr- Iran.

"One pot synthesis of vicinal diols in the absence of catalyst" Saham Naseri, Arash Mouradzadegun and Alireza Kiasat, The 4th National Conference on Modern Chemistry, Chemical Engineering and Petroleum, November 05, 2015, Mahshahr- Iran.

"Silica sulfuric acid (ssa) as efficient multifunctional acid catalyst for one-pot three component synthesis of 2,4,6- triarylpyridines under solvent-free condition" Hadi Asareh, Arash Mouradzadegun and Alireza Kiasat, 23th Iranian Seminar of Organic Chemistry, 8-10 Sept. 2015, Sanandaj-Iran.

"Nano alumina sulfuric acid: a efficient acid nano catalyst for one-pot three component synthesis of 2,4,6- triarylpyridines under solvent free condition" Hadi Asareh, Arash Mouradzadegun and Alireza Kiasat, 23th Iranian Seminar of Organic Chemistry, 8-10 Sept. 2015, Sanandaj-Iran.

"GC determination of activity and selectivity in catalytic reduction of pyrylium salts" Arash Mouradzadegun, Saeedeh Saki and somayeh Elahi, 23th Iranian Seminar of Organic Chemistry, 8-10 Sept. 2015, Sanandaj-Iran.

"Synthesis of a novel functionalized porous polymer based on calix[4]- resorcinarene bearing borohydride anion as a efficient reagent for regioselective reduction of triarylpyrylium salts" Arash Mouradzadegun and Saeedeh Saki 12th Payame Noor Chemistry Conference, 13-14 May 2015, Mashad-Iran.

"Synthesis and characterization of novel acidic ionic liquid supported magnetic nanoparticles as an efficient catalyst for the one-pot preparation of 14-aryl-14Hdibenzo[a,j]xanthenes and 1,8-dioxooctahydroxanthenes under solvent-free conditions" Ali Reza Kiasat, Arash Mouradzadegun, Seyyed Jafar Saghanezhad 21th Iranian seminar of Organic Chemistry, March 13-15, 2014 Ilam-Iran.

"Facile Synthesis of Resorcinarenes Functionalized Magnetic Nano Solid Acid; Novel Catalyst for Ring Opening of Epoxides Magnetic Nanoparticles Grafted on the Upper Rim of Calix[4]Resorcinarenes" A. Mouradzadegun, Pegah Kazemian Fard 4th international congress on Nanoscience and Nanotechnology 8-10 Sept. 2012.

"Magnetic Nanoparticles Grafted on the Upper Rim of Calix[4]Resorcinarenes" A. Mouradzadegun, S. Boron, Pegah Kazemian Fard 4th international congress on Nanoscience and Nanotechnology 8-10 Sept. 2012.

"Study and determination of the dynamic swelling of shale formations in presence of environmentally-friendly WBM" A. Mouradzadegun, M. Babaei 5th National seminar of chemistry and environment 21-23 Dec. 2011 Ahvaz- Iran.

"BMIM]N , an effective nucleophile agent for the facile conversion of triarylthiopyrylium salts to thiophen" A. Mouradzadegun, E. Sabagh 5th National seminar of chemistry and environment 21-23 Dec. 2011 Ahvaz-Iran.

" Synthesis of resorcinarenes using metal hydrogen sulfate" c, Neda Khairandish, 15 th Iranian Chemistry Congress, 4-6 Sept. 2011, Bu- Ali Sina University, Hamedan- Iran.

"Evaluation of using Drill Cuttings in construction of asphalt concrete" Seyyed Abass Tabatabaee, Arash Mouradzadegun, Abdolah Hossaini, 6th National Congress on Civil Engineering, 26-27 April 2011, Semnan University, Smnan – Iran.

"Application of FRP on improving the stability parameters of asphalt pavements and economic evaluation" Seyyed Abass Tabatabaee, Arash Mouradzadegun, Abdolah Hossaini, 6th National Congress on Civil Engineering, 26-27 April 2011, Semnan University, Smnan – Iran.

" Pyrylium salts: new strategy for synthesis and conversion" Arash Mouradzadegun, Zahra Najafi, 17th Iranian seminar of Organic Chemistry, 13-15 Oct.. 2010, University of Mazandaran, Babolsar- Iran.

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