



## Mojtaba Lashkari

Associate Professor

College: Faculty of Basic Sciences

Department: Department of Basic Sciences

### Education

Degree	Graduated in	Major	University
BSc	2005	Chemistry	Sistan and Baluchestan
MSc	2008	Organic Chemistry	Sistan and Baluchestan
Doctoral	2013	Organic Chemistry	Sistan and Baluchestan

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	13

### Papers in Journals

1. کاتالیست موثر و سازگار با محیط زیست A: فاطمه میر، نورالله حاضری، ملک طاهر مقصودلو و مجتبی لشکری، ویتامین 1. مجلد، Chemistry Research، پیرازول و پیرازولوپیرانوپیریمیدین C-برای سنتز تکظرفی مشتق های دی- هیدروپیرانو[2,3] شماره صفحات ۷۵-۱۴۰، ۸۳، ۵.
2. Mohammad Nikbin, Ebrahim Mollashahi, Malek Taher Maghsoodlou & Mojtaba Lashkari, An Efficient Procedure for the Synthesis of 2- Arylsubstituted Benzimidazoles Catalyzed by Co (II) Immobilized on Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub>-NH<sub>2</sub>/EP@SAA as a Recyclable Nanomagnetic Catalyst, Organic Preparations and Procedures International, 2023, JCR.
3. Farzaneh Mohamadpour, Malek Taher Maghsoodlou, Reza Heydari & Mojtaba Lashkari, Uric Acid as a Natural and Reusable Catalyst for Synthesis of Biologically Significant 3,4 Dihydropyrimidinones/thiones, 1H-Pyrazolo[1,2-b] phthalazine-5,10-diones and Polysubstituted Dihydropyrrol-2 ones, Organic Preparations and Procedures International, 2023, JCR.
4. Fatemeh Mir, Nourallah Hazeri, Malek Taher Maghsoodlou, Mojtaba Lashkari, Synthesis of Pyrazolopyranopyrimidine and Dihydropyrano[2,3-c]Pyrazole Derivatives Using Fe<sub>3</sub>O<sub>4</sub>@THAM-Piperazine as a Superparamagnetic Nanocatalyst under Green Condition, Polycyclic Aromatic Compounds, 2022, JCR.
5. Fatemeh Mir, Nourallah Hazeri, Malek Taher Maghsoodlou, Mojtaba Lashkari, Synthesis of

- Pyrazolopyranopyrimidine and Dihydropyrano[2,3-c]pyrazole Derivatives Using Vitamin D as an Efficient Catalyst Under Green Condition, *Journal of Applied Chemical Research*, pp. 72-86, 2022.
6. Hossein Yarahmadi, Majid Ghashang, Leila Yazdani, & Samani, Mojtaba Lashkari, CAN Combined with NaI as Promoter System for the Synthesis of Novel Ethyl 1,2-Diarylpiperidine-3-carboxylate Derivatives via Three-Component Reaction, *Organic Preparations and Procedures International*, Vol. 54, pp. 517-524, 2022, JCR.
  7. Maryam Shokoohian, Nourallah Hazeri, Malek Taher Maghsoodlou, Mojtaba Lashkari, Design and Synthesis, Antimicrobial Activities of 1,2,4-Triazine Derivatives as Representation of a New Heterocyclic System, *Polycyclic Aromatic Compounds*, Vol. 1, No. 42, pp. 1-12, 2022, JCR.
  8. Mohyeddin Safarzaei, Ebrahim Mollashahi, Mojtaba Lashkari, Malek Taher Maghsoodlou, Nourallah Hazeri, An efficient solvent-free synthesis of pyrido[2,3-d]pyrimidine derivatives utilizing lactic acid as green and eco-friendly catalyst, *Indian Journal of Chemistry -Section B (IJC-B)*, Vol. 10, No. 60, pp. 1368-1372, 2021, JCR.
  9. Mojtaba Lashkari, & Majid Ghashang, Ultrasonic Assisted Preparation of Pyrano[2,3-c]Pyrazole Derivatives Using ZnO-NiO-Fe<sub>3</sub>O<sub>4</sub> Nano-Composite System, *Polycyclic Aromatic Compounds*, 2021, JCR.
  10. Fatemeh Noori Sadeh, Mojtaba Lashkari, Nourallah Hazeri, Maryam Fatahpour, Malek Taher Maghsoodlou, Mohammad Saeed Hadavi, Sahar Mahnaei, Three-component coupling approach for the synthesis of 4H-pyrans and pyran-annulated heterocyclic scaffolds utilizing Ag/TiO<sub>2</sub> nano-thin films as robust recoverable catalyst, *Indian Journal of Chemistry -Section B (IJC-B)*, No. 60, pp. 127-135, 2021, JCR.
  11. Mojtaba Lashkari, Majid Ghashang, Ali Abedi, & Madiseh, Soluble Glass, an Efficient Promoter for the Cascade Addition-Cyclization Reaction of 4-Hydroxycoumarins to Chalcone Derivatives, *Organic Preparations and Procedures International*, No. 53, pp. 52-58, 2021, JCR.
  12. Mojtaba Lashkari, Farzaneh Mohamadpour, Malek Taher Maghsoodlou, Reza Heydari & Nourallah Hazeri, Uric Acid as a Naturally Biodegradable and Reusable Catalyst for the Convenient and Eco-Safe Synthesis of Biologically Active Pyran Annulated Heterocyclic Systems, *Polycyclic Aromatic Compounds*, 2020, JCR.
  13. Moheb Shirzaei, Ebrahim Mollashahi, Malek Taher Maghsoodlou, Mojtaba Lashkari, Novel synthesis of silica-coated magnetic nanoparticles based on acidic ionic liquid, as a highly efficient catalyst for three component system leads to furans derivatives, *Journal of Saudi Chemical Society*, No. 24, pp. 214, 2020, JCR.
  14. Afshin Yazdani, Elah, Abadi, Mojtaba Lashkari, Razieh Mohebat, DABCO-catalyzed Five-component Domino Protocol for the Synthesis of Novel Benzo[a]pyrazolo[4',3':5,6]pyrano[2,3-c]phenazines in PEG-400 as an Efficient Green Reaction Medium, *Organic Preparations and Procedures International*, 2020, JCR.
  15. M. Shirzaei, E. Mollashahi, M.T. Maghsoodlou, M. Lashkari, Application of Chlorophyll Extracted from Spinach as a Green and affordable Catalyst for the Synthesis of Tetrahydrobenzo[b]pyran and Pyrano[c]chromene, *Organic Chemistry Research*, No. 6, pp. 179, 2020.
  16. Nourallah Hazeri, Mojtaba Lashkari, Maryam Fatahpour, Mahla Sheikhveisi, DABCO-Catalyzed the Synthesis of Densely Functionalized Cyclohexanones in a Benign Manner, *Bulletin of the Korean Chemical Society*, 2020, JCR.
  17. Mojtaba Lashkari, Seyyed Jalal Roudbaraki, Majid Ghashang, Preparation of 1,3,4-oxadiazole derivatives via supported and unsupported phosphonium dibromide reagents, *Canadian Journal of Chemistry*, 2020, JCR.
  18. Mojtaba Lashkari, & Majid Ghashang, Preparation of thiazolidin-4-one derivatives using ZnO-NiO-NiFe<sub>2</sub>O<sub>4</sub> nano-composite system, *Research on Chemical Intermediates*, 2020, JCR.
  19. F. Mohamadpour, M. Lashkari and N. Hazeri, Green and Convenient Synthesis of Polyfunctionalized Piperidines Catalyzed by Ascorbic Acid under Ambient Temperature, *Organic Chemistry Research*, No. 6, pp. 82, 2020.
  20. Maryam Shokoohian, Nourallah Hazeri, Malek Taher Maghsoodlou, Mojtaba Lashkari, Pseudo three

component synthesis of substituted 1,2,4 triazolo[1,5 a]pyridines, Monatshefte für Chemie - Chemical Monthly, No. 151, pp. 93, 2020.

21. Maryam Fatahpour, Nourallah Hazeri, Malek Taher Maghsoodlou, Mojtaba Lashkari, One-pot condensation approach for synthesis of diverse naphthopyranopyrimidines utilizing lactic acid as efficient and eco-friendly catalyst, Polycyclic Aromatic Compounds, No. 39, pp. 311–317, 2019.
22. Mohyeddin Safarzaei, Malek Taher Maghsoodlou, Ebrahim Mollashahi, Nourallah Hazeri, Mojtaba Lashkari, An efficient one-pot synthesis of 2-aminopyrimidino methyl naphthols under solvent-free conditions, Journal of the Chinese Chemical Society, No. 66, pp. 543, 2019.
23. Maryam Fatahpour, Nourallah Hazeri, Malek Taher Maghsoodlou, Mojtaba Lashkari, Metal-free greener method for the synthesis of densely functionalized pyrroles via a one-pot three-component reaction, Journal of the Iranian Chemical Society, No. 16, pp. 111, 2019.
24. Farzaneh Mohamadpour, Malek Taher Maghsoodlou, Mojtaba Lashkari, Reza Heydari, Nourallah Hazeri, Synthesis of Quinolines, Spiro[4H-pyran-oxindoles] and Xanthenes Under Solvent-Free Conditions, Organic Preparations and Procedures International, No. 51, pp. 456, 2019.
25. Maryam Shokoohian, Nourallah Hazeri, Malek Taher Maghsoodlou, Mojtaba Lashkari, MULTI-COMPONENT REACTION SYNTHESIS OF 1,6-DIAMINO-2-OXO-1,2,3,4-TETRAHYDROPYRIDINE-3,5-DICARBONITRILES USING ULTRASONICATION AND DMAP AS CATALYST, Chemistry Journal of Moldova, No. 14, pp. 97, 2019.
26. Maryam Fatahpour, Mojtaba Lashkari, Nourallah Hazeri, Fatemeh Noori Sadeh, Malek Taher Maghsoodlou, Stereoselective Synthesis of Polysubstituted Hydroquinolines in a One-pot, Pseudo-Eight Component Strategy, Organic Preparations and Procedures International, No. 51, pp. 576, 2019.
27. Lashkari M., Heydari R., Mohamadpour F., A Facile Approach for One-Pot Synthesis of 1H-pyrazolo [1,2-b]phthalazine-5,10-dione Derivatives Catalyzed by ZrCl<sub>4</sub> as an Efficient Catalyst Under Solvent-Free Conditions, Iranian Journal of Science and Technology, Transactions A: Science, No. 42, pp. 1191, 2018.
28. Fatahpour M., Hazeri N., Maghsoodlou M. T., Lashkari M., Lactic Acid: A New Application as an Efficient Catalyst for the Green One-Pot Synthesis of 2-Hydroxy-12-aryl-8,9,10,12-Tetrahydrobenzo[a]xanthene-11-one and 12-Aryl-8,9,10,12-Tetrahydrobenzo[a]xanthene-11-one Analogs, Iranian Journal of Science and Technology, Transactions A: Science, No. 42, pp. 533, 2018.
29. Noori Sadeh F., Hazeri N., Maghsoodlou M. T., Lashkari M., Eco-Friendly and Facile Approach Toward a One-Pot Synthesis of 2-Arylpyrrolo[2,3,4-kl]acridin-1(2H)-ones Catalyzed by Acetic Acid Under Solvent-Free Conditions, Iranian Journal of Science and Technology, Transactions A: Science, No. 42, pp. 1253, 2018.
30. Maryam Fatahpour, Nourallah Hazeri, Malek Taher Maghsoodlou, Fatemeh Noori Sadeh, Mojtaba Lashkari, One-pot multicomponent synthesis of piperidinium 3,3'-(arylmethylene) bis(2-hydroxynaphthalene-1,4-diones): NMR spectroscopic and X-ray structure characterization, Turkish Journal of Chemistry, No. 42, pp. 908, 2018.
31. Mohyeddin Safarzaei, Malek Taher Maghsoodlou, Ebrahim Mollashahi, Nourallah Hazeri, Mojtaba Lashkari, Synthesis of 3-aminoisoxazolmethyl naphthols via one-pot three-component reaction under solvent-free conditions, Research on Chemical Intermediates, No. 44, pp. 7449, 2018.
32. Maryam Fatahpour, Nourallah Hazeri, Belgheis Adrom, Malek Taher Maghsoodlou, Mojtaba Lashkari, Et<sub>3</sub>N catalyzed the diastereoselective synthesis of functionalized cyclohexanones by condensation of acetoacetanilide and various aldehydes in mild conditions, Research on Chemical Intermediates, No. 44, pp. 2111, 2018.
33. Seyyed Rasul Mousavi, Malek Taher Maghsoodlou, Ali Roygar, Mojtaba Lashkari, Two stereoisomers of butenedioic acid-mediated synthesis of tetrahydropyridine carboxylate derivatives with the same stereochemistry, Research on Chemical Intermediates, No. 44, pp. 675, 2018.
34. Nourallah Hazeri, Sajjad Salahi, Mojtaba Lashkari, Malek Taher Maghsoodlou, Effat Esmaeili, & Shahri, Ebrahim Molashahi, Facile Diastereoselective Synthesis of Functionalized Tetrahydropyridines Using Fe<sub>3</sub>O<sub>4</sub>/SiO<sub>2</sub>/TiO<sub>2</sub> Nanocomposites, Organic Preparations and Procedures International, No. 50, pp. 375, 2018.

35. M.T. Maghsoodlou, F. Mohamadpour, M. Lashkari and N. Hazeri, Convenient One-pot Access to Pyrano[2,3-d]pyrimidine Derivatives via a CuCl<sub>2</sub>.2H<sub>2</sub>O Catalyzed Knoevenagel-Michael Addition Reaction in Water/Ethanol Media, *Organic Chemistry Research*, No. 4, pp. 140, 2018.
36. F. Noori Sadeh, M. Lashkari, N. Hazeri, and M.T. Maghsoodlou, Synthesis of Naphthopyranopyrimidines Using Formic Acid as an Effective Catalyst under Solvent-free Conditions, *Organic Chemistry Research*, No. 4, pp. 124, 2018.
37. Mohyeddin Safarzaei, Malek Taher Maghsoodlou, Ebrahim Mollashahi, Mojtaba Lashkari, Nourallah Hazeri, Y(NO<sub>3</sub>)<sub>3</sub>.6H<sub>2</sub>O catalyzed Four-Component Reaction for the Synthesis of Highly Functionalized Pyrano[2,3-c]pyrazoles in Aqueous Medium, *Journal of Applied Chemical Research*, No. 12, pp. 31, 2018.
38. Farzaneh Mohamadpour, Mojtaba Lashkari, One pot, Five-component Synthesis of Functionalized Piperidines Using Zn(OAc)<sub>2</sub>.2H<sub>2</sub>O as a Highly Efficient Catalyst, *Journal of Applied Chemical Research*, No. 12, pp. 92, 2018.
39. FARZANEH MOHAMADPOUR and MOJTABA LASHKARI, Three-component reaction of  $\alpha$ -keto esters, aromatic aldehydes and urea/thiourea promoted by caffeine, a green and natural, biodegradable catalyst for eco-safe Biginelli synthesis of 3,4-dihydropyrimidin-2(1H)-ones/thiones derivatives under solvent-free conditions, *Journal of the Serbian Chemical Society*, No. 83, pp. 673, 2018.
40. FARZANEH MOHAMADPOUR, MOJTABA LASHKARI, MALEK TAHER MAGHSOODLOU, REZA HEYDARI, PHTHALIC ACID: A GREEN, BIODEGRADABLE AND ENVIRONMENTALLY BENIGN NATURE DIFUNCTIONAL BRØNSTED ACID CATALYST FOR THE ONE-POT SYNTHESIS OF 3, 4-DIHYDROPYRIMIDIN-2-(1H)-ONE DERIVATIVES AND SUBSTITUTED DIHYDRO-2-OXYPYRROLES, *Journal of the Chilean Chemical Society*, No. 63, pp. 3811, 2018.
41. MOJTABA LASHKARI, MALEK TAHER MAGHSOODLOU, MAHSA KARIMA, MEHRNOOSH KANGANI, TRIFLUOROACETIC ACID CATALYZED ONE-POT FOUR-COMPONENT DOMINO REACTION FOR THE SYNTHESIS OF SUBSTITUTED DIHYDRO 2-OXYPYRROLES, *Journal of the Chilean Chemical Society*, No. 63, pp. 3799, 2018.
42. Sajjad Salahi, Nourallah Hazeri, Malek Taher Maghsoodlou, Mojtaba Lashkari, Niloufar Akbarzadeh Torbati, Santiago Garca , Granda, Laura Torre , Fernandez, Salicylic acid as an efficient catalyst for the diastereoselective synthesis of dispirohydroquinolines via a one-pot domino eight-component reaction, *Journal of the Chilean Chemical Society*, No. 63, pp. 4159, 2018.
43. Afshin Yazdani , Elah , Abadi, Reza Morekiana, Nasim Simin and Mojtaba Lashkari, Microwave domino diastereoselective synthesis of novel trans-4,5-dihydro-1H-furo[2,3-c]pyrazoles using pyridinium salts in an aqueous medium, *Journal of Chemical Research*, No. 42, pp. 219, 2018.
44. Farzaneh Mohamadpour, Mojtaba Lashkari, and Nourallah Hazeri, One-Pot Eco-Safe Saccharin-Catalyzed Procedure for Expedient and Convenient Synthesis of Dihydropyrano[2,3-c]pyrazole, Tetrahydrobenzo[b]pyran and Pyrano[2,3-d]pyrimidinone Scaffolds as a Green and Versatile Catalyst, *Indonesian Journal of Chemistry*, No. 18, pp. 7, 2018.
45. Farzaneh Mohamadpour, Mojtaba Lashkari, Reza Heydari and Nourallah Hazeri, Four-component clean process for the eco-friendly synthesis of 1H-pyrazolo[1,2-b]phthalazine-5,10-dione derivatives using Zn(OAc)<sub>2</sub>.2H<sub>2</sub>O as an efficient catalyst under solvent-free conditions, *Indian Journal of Chemistry, Sec B*, No. 57, pp. 843, 2018.
46. Farzaneh Mohamadpour, Malek Taher Maghsoodlou, Mojtaba Lashkari, Reza Heydari, Nourallah Hazeri, GREEN SYNTHESIS OF POLYSUBSTITUTED QUINOLINES AND XANTHENE DERIVATIVES PROMOTED BY TARTARIC ACID AS A NATURALLY GREEN CATALYST UNDER SOLVENT-FREE CONDITIONS, *Chemistry Journal of Moldova. General, Industrial and Ecological Chemistry*, No. 13, pp. 74, 2018.
47. Mohamadpour F., Maghsoodlou M. T., Heydari R., Lashkari M, One-pot Synthesis of Polysubstituted Dihydro-2-oxypyrroles Catalyzed by Vanadium (V) oxide ., *Journal of Applied Chemical Research*, No. 11, pp. 115-123, 2017.
48. Malek Taher Maghsoodlou, Mahsa Karima, Mojtaba Lashkari, Belghais Adrom, Jasem Aboonajmi, A green protocol for one pot three component synthesis of 1 (benzothiazolylamino) methyl 2 naphthol

- catalyzed by oxalic acid, *Journal of the Iranian Chemical Society*, No. 14, pp. 329-335, 2017.
49. Afshin Yazdani, Elah, Abadi, Razieh Mohebat, and Mojtaba Lashkari, Nano-Fe<sub>3</sub>O<sub>4</sub>-Promoted Five-Component Domino Reactions for the Green Synthesis of Novel Benzo[a]phthalazino[2',3':1,2]pyrazolo[3,4-c]phenazines in PEG-400 as an Efficient Eco-Friendly Reaction Medium, *Polycyclic Aromatic Compounds*, 2017.
  50. Farzaneh Mohamadpour, Malek Taher Maghsoodlou, Reza Heydari, Mojtaba Lashkari, Sodium Bismuthate: An Efficient Catalyst for the One-pot Synthesis of Biologically Active Spiro[4H-pyran] Derivatives under Solvent-free Conditions, *Journal of Applied Chemical Research*, No. 11, pp. 46, 2017.
  51. Mojtaba Lashkari, Reza Heydari, Farzaneh Mohamadpour, Coupling of Amines, Dialkyl acetylenedicarboxylates and Formaldehyde Promoted by Copper (II) Chloride: An Efficient Synthesis of Polysubstituted Dihydro-2-oxopyrrols, *Journal of Applied Chemical Research*, No. 11, pp. 86, 2017.
  52. Fatemeh Noori Sadeh, Nourallah Hazeri, Malek Taher Maghsoodlou, and Mojtaba Lashkari, Efficient Lactic Acid-catalyzed Route to Naphthopyranopyrimidines under Solvent-free Conditions, *Organic Preparations and Procedures International*, No. 49, pp. 35, 2017.
  53. Mohamadpour F., Maghsoodlou M. T., Heydari R., Lashkari M., One-Pot Four-Component Synthesis of Polysubstituted Dihydropyrrol-2-Ones at Ambient Temperature, *Iranian Journal of Science and Technology, Transactions A: Science*, No. 41, pp. 843, 2017.
  54. Sharmin Irani, Malek Taher Maghsoodlou, M. Saeed Hadavi, Nourallah Hazeri, Mojtaba Lashkari, Ag/TiO<sub>2</sub> Nano Thin Films Catalyzed Efficient Synthesis of 6-Amino-4-Aryl-3-Methyl-1,4-Dihydropyrano[2,3-C]Pyrazole-5-Carbonitriles At Green Conditions, *ORIENTAL JOURNAL OF CHEMISTRY*, No. 33, pp. 814, 2017.
  55. Belgheis Adrom, Nourallah Hazeri, Malek Taher Maghsoodlou, Mojtaba Lashkari, Maryam Fatahpour, GREEN SYNTHESIS OF 2-ARYL-4-PHENYL-QUINAZOLINE DERIVATIVES PROMOTED BY LACTIC ACID, *Macedonian Journal of Chemistry and Chemical Engineering*, No. 36, pp. 223, 2017.
  56. Maryam Fatahpour, Nourallah Hazeri, Malek Taher Maghsoodlou and Mojtaba Lashkari, A Green Approach for the One-Pot, Three-Component Synthesis of 2-Arylpyrroloacridin-1(2H)-Ones using Lactic Acid as a Bio-based Catalyst under Solvent-Free Conditions, *Journal of the Chinese Chemical Society*, No. 64, pp. 1071, 2017.
  57. Fatemeh Noori Sadeh, Maryam Fatahpour, Nourallah Hazeri, Malek Taher Maghsoodlou and Mojtaba Lashkari, ONE-POT CONDENSATION APPROACH FOR THE SYNTHESIS OF SOME 1,8-DIOXOCTAHYDROXANTHENES AND 14-ARYL-14HDIBENZO[a,j]XANTHENES USING LACTIC ACID AS AN EFFICIENT AND ECO-FRIENDLY CATALYST, *ACTA CHEMICA IASI*, No. 25, pp. 163, 2017.
  58. Reza Heydari, Rohollah Rahimi, Mehrnoosh Kangani, Afshin Yazdani, Elah, Abadi, and Mojtaba Lashkari, K<sub>2</sub>CO<sub>3</sub>: A MILD AND EFFICIENT CATALYST FOR THE SYNTHESIS OF PYRAN ANNULATED HETEROCYCLIC SYSTEMS BY GRINDING METHOD UNDER SOLVENT-FREE CONDITIONS, *ACTA CHEMICA IASI*, No. 25, pp. 163, 2017.
  59. Malek Taher Maghsoodlou, Reza Heydari, Farzaneh Mohamadpour and Mojtaba Lashkari, Fe<sub>2</sub>O<sub>3</sub> as an Environmentally Benign Natural Catalyst for One-Pot and Solvent-Free Synthesis of Spiro-4H-Pyran Derivatives, *Iranian Journal of Chemistry and Chemical Engineering*, No. 36, pp. 31, 2017.
  60. Maryam Fatahpour, Fatemeh Noori Sadeh, Nourallah Hazeri, Malek Taher Maghsoodlou, Mojtaba Lashkari, Aspirin: an efficient catalyst for synthesis of bis (pyrazol 5 ols), dihydropyrano[2,3 c]pyrazoles and spiropyranopyrazoles in an environmentally benign manner, *Journal of the Iranian Chemical Society*, No. 14, pp. 1945, 2017.
  61. Farzaneh Mohamadpour, Malek Taher Maghsoodlou, Reza Heydari, Mojtaba Lashkari, Tartaric Acid: A Naturally Green and Efficient Di-Functional Brønsted Acid Catalyst for the One-Pot Four-Component Synthesis of Polysubstituted Dihydropyrrol-2-Ones at Ambient Temperature, *Iranian Journal of Science and Technology, Transactions A: Science*, No. 41, pp. 483, 2017.
  62. Malek Taher Maghsoodlou, Reza Heydari, Mojtaba Lashkari and Farzaneh Mohamadpour, Clean and one-pot synthesis of 3,4-dihydropyrimidin-2-(1H)-ones/thione derivatives using maleic acid as an efficient and environmentally benign natural di-functional Brønsted acid catalyst under solvent-free



conditions, Indian Journal of Chemistry, Sec B, No. 56, pp. 160, 2017.

63. Adrom B., Maghsoodlou M. T., Lashkari M., Hazeri N., Doostmohammadi R., Efficient One-Pot Three-Component Synthesis of 3,4,5-Substituted Furan-2(5H)-ones Catalyzed Watermelon Juice, Synthesis and Reactivity in Inorganic, Metal-Organic and Nano-Metal Chemistry, No. 46, pp. 423-427, 2016.

64. Salahi S., Maghsoodlou M. T., Hazeri N., Lashkari M., Akbarzadeh Torbati N., Kazemian M. A., Garcia, Granda S., Torre, Fernandez L., Brønsted acidic ionic liquid catalyzed synthesis of poly-substituted hydroquinolines through diastereoselective, one-pot and pseudo-eight-component reaction, Journal of Saudi Chemical Society, No. 20, pp. 349-356, 2016.

65. Adrom B., Hazeri N., Lashkari M., Maghsoodlou M. T., Multicomponent facile synthesis of highly substituted [1,2,4]triazolo[1,5-a]pyrimidines, Journal of Chemical Research, No. 40, pp. 458-460, 2016.

66. Farzaneh Mohamadpour, Malek Taher Maghsoodlou, Reza Heydari, Mojtaba Lashkari, Saccharin: a green, economical and efficient catalyst for the one pot, multi component synthesis of 3,4-dihydropyrimidin 2(1H) one derivatives and 1H pyrazolo[1,2-b]phthalazine 5,10 dione derivatives and substituted dihydro 2 oxypyrrole, Journal of the Iranian Chemical Society, No. 13, pp. 154-156, 2016.

67. Farzaneh Mohamadpour, Malek Taher Maghsoodlou, Reza Heydari, Mojtaba Lashkari, Copper(II) acetate monohydrate: an efficient and ecofriendly catalyst for the one-pot multi-component synthesis of biologically active spiropyran and 1Hpyrazolo[1,2-b]phthalazine-5,10-dione derivatives under solvent-free conditions, Research on Chemical Intermediates, No. 42, pp. 784-785, 2016.

68. Mohamadpour F., Maghsoodlou M. T., Heydari R., Lashkari M., An Efficient Synthesis of 3,4-Dihydropyrimidin-2-(1H)-one Derivatives Promoted by Antimony Trichloride under Thermal and Solvent-free Conditions, Organic Chemistry Research, No. 2, pp. 127-133, 2016.

69. Mohamadpour F., Lashkari M., Maghsoodlou M. T., Heydari R., Salicylic acid as a naturally green Brønsted acid catalyst for eco-friendly and simple synthesis of polysubstituted dihydro-2-oxypyrroles under ambient temperature, Journal of Applied Chemistry, No. 10, pp. 79-97, 2016.

70. Mohamadpour F., Maghsoodlou M. T., Heydari R., Lashkari M., Oxalic acid dihydrate catalyzed synthesis of 3,4-dihydropyrimidin-2-(1H)-one derivatives under thermal and solvent-free conditions, Iranian Journal of Catalysis, No. 6, pp. 127-131, 2016.

71. Hazeri N., Doostmohammadi R., Adrom B., Lashkari M., Maghsoodlou M. T., EXTRACT OF BARBERRY AS ENTIRELY GREEN CATALYST FOR THE SYNTHESIS OF STRUCTURALLY DIVERSE 3,4,5-SUBSTITUTED FURAN-2(5H)-ONES, Chemistry Journal of Moldova, No. 11, pp. 68-73, 2016.

72. Lashkari M., Heydari R., Mohamadpour F., CHROMIUM (III) NITRATE NONAHYDRATE: AN ENVIRONMENTALLY BENIGN AND EFFICIENT HETEROGENEOUS CATALYST FOR FACILE ONE-POT BIGINELLI SYNTHESIS OF 3,4-DIHYDROPYRIMIDIN-2-(1H)-ONE/THIONE DERIVATIVES UNDER SOLVENT-FREE CONDITIONS, ACTA CHEMICA IASI, No. 42, pp. 29-42, 2016.

73. Lashkari M., Maghsoodlou M. T., Karima M., Adrom B., Fatahpour M., CONVENIENT APPROACH FOR THE ONE-POT, THREE-COMPONENT SYNTHESIS OF 1(BENZOTHIAZOLYLAMINO)METHYL-2-NAPHTHOL USING CITRIC ACID AS A GREEN CATALYST, ACTA CHEMICA IASI, No. 24, pp. 112-121, 2016.

74. Maghsoodlou M. T., Hazeri N., Fereidooni E., Salahi S., Mahmoudabadi N., Khorshidi N., Aboonajmi J., Lashkari M., Chloroacetic acid-promoted heterocyclic reactions: Efficient preparation of tetrahydropyridines and 2,3-dihydroquinazolin-4(1H)-ones, Iranian Journal of Catalysis, No. 5, pp. 245-252, 2015.

75. Aboonajmi J., Maghsoodlou M. T., Hazeri N., Lashkari M., Safarzaei M., Shirzaei M., Multicomponent preparation of highly functionalized piperidines using FeCl<sub>3</sub>.6H<sub>2</sub>O as an efficient catalyst, Iranian Journal of Catalysis, No. 5, pp. 33-39, 2015.

76. Sajjad Salahi, Malek Taher Maghsoodlou, Nourallah Hazeri, Fahimeh Movahedifar, Raziieh Doostmohammadi, Mojtaba Lashkari, Acidic ionic liquid N-methyl 2-pyrrolidonium hydrogen sulfate as an efficient catalyst for the one-pot multicomponent preparation of 3,4,5-substituted furan-2(5H)-ones, Research on Chemical Intermediates, No. 41, pp. 6477-6483, 2015.

77. Sajjad Salahi, Malek Taher Maghsoodlou, Nourallah Hazeri, Mojtaba Lashkari, Santiago Garcia,

- Granda, Laura Torre , Fernandez, An efficient green synthesis of dispirohydroquinolines via a diastereoselective one-pot eight-component reaction, *Chinese Journal of Catalysis*, No. 36, pp. 1023, 2015.
78. Mojtaba Lashkari, Malek Taher Maghsoodlou, Nourallah Hazeri, a Sayyed Mostafa Habibi , Khorassani, Niloufar Akbarzadeh Torbati, Santiago Garc a , Granda, and Laura Torre , Fernandez, A Novel Route for the Diastereoselective Synthesis of Dispiro[tetrahydroquinoline-bis(2,2-dimethyl[1,3]dioxane-4,6-dione)] Derivatives via a One-Pot Domino Multicomponent Reaction of Arylamines, Aromatic Aldehydes, and Meldrum's Acid, *Journal of Heterocyclic Chemistry*, No. 52, pp. 873-879, 2015.
79. Ebrahim Mollashahi, Hamideh Gholami, Mehrnoosh Kangani, Mojtaba Lashkari, and Malek Taher Maghsoodlou, A Quick and Clean Procedure for Synthesis of  $\alpha$ -Aminophosphonates in Aqueous Media, *Heteroatom Chemistry*, No. 26, pp. 322-328, 2015.
80. Adrom B., Maghsoodlou M. T., Hazeri N., Lashkari M., Solvent-free synthesis of 1-(benzothiazolylamino)methyl-2-naphthols with maltose as green catalyst, *Research on Chemical Intermediates*, No. 41, pp. 7553-7560, 2015.
81. Aboonajmi J., Maghsoodlou M. T., Hazeri N., Lashkari M., Kangani M., Tartaric acid: A natural, green and highly efficient catalyst for the one-pot synthesis of functionalized piperidines, *Research on Chemical Intermediates*, No. 41, pp. 8057-8065, 2015.
82. Hazeri N., Maghsoodlou M. T., Habibi ,& Khorassani S. M., Aboonajmi J., Lashkari M., Sajadikhah S. S., A green protocol for one-pot three-component synthesis of  $\alpha$ -amino phosphonates catalyzed by succinic acid, *Research on Chemical Intermediates*, No. 40, pp. 1781-1788, 2014.
83. Hazeri N., Lashkari M., Garc a , Granda S., Torre , Fernandez L., Novel synthesis, molecular structure, and theoretical studies of dispiro compounds via pseudo-eight-component reaction, *Australian Journal of Chemistry*, No. 67, pp. 1656-1665, 2014.
84. Farhadpour F., Hazeri N., Salahi S., Dastoorani P., Doostmohammadi R., Lashkari M., Ghashang M., Maghsoodlou M. T., Maltose as a green catalyst for the synthesis of 3,4,5-substituted furan-2(5H) ones in water, *Iranian Journal of Catalysis*, No. 4, pp. 247-251, 2014.
85. Lashkari M., Hazeri N., Maghsoodlou M. T., Habibi Khorassani S. M., Akbarzadeh Torbati N., Hosseinian A., Garc a , Granda S., Torre , Fernandez L., Synthesis and crystal structure study of diethyl aryl(benzo[d]thiazol-2-ylamino)methyl phosphonates, *Heteroatom Chemistry*, No. 24, pp. 58-65, 2013.
86. Lashkari M., Maghsoodlou M. T., Hazeri N., Habibi ,& Khorassani S. M., Sajadikhah S. S., Doostmohammadi R., Synthesis of highly functionalized piperidines via one-pot, five-component reactions in the presence of acetic acid solvent, *Synthetic Communications*, No. 43, pp. 635-644, 2013.
87. Maghsoodlou M. T., Heydari R., Habibi ,& Khorassani S. M., Sajadikhah S. S., Rostamizadeh M., Lashkari M., One-pot, three-component synthesis of  $\alpha$ -amino phosphonates using NaHSO<sub>4</sub>-SiO<sub>2</sub> as an efficient and reusable catalyst, *Synthetic Communications*, No. 42, pp. 136-143, 2012.
88. Sajadikhah S. S., Hazeri N., Maghsoodlou M. T., Habibi ,& Khorassani S. M., Beigbabaei A., Lashkari M., One-pot three-component synthesis of highly substituted piperidines using 1-methyl-2-oxopyrrolidinium hydrogen sulfate, *Journal of Chemical Research*, No. 36, pp. 463-467, 2012.
89. Maghsoodlou M. T., Heydari R., Habibi ,& Khorassani S. M., Hazeri N., Lashkari M., Rostamizadeh M., Sajadikhah S. S., Triphenylarsine as an efficient catalyst in diastereospecific synthesis of N-vinyl heterocyclic compounds, *Synthetic Communications*, No. 41, pp. 569-578, 2011.
90. Marandi G., Maghsoodlou M. T., Hazeri N., Heydari R., Habibi , Khorassani S. M., Akbarzadeh Torbati N., Sajadikhah S. S., Saravani D., Rakhshanipour M., Gholamipour S., Rostami , Charati F., Skelton B. w., Makha M., Zare Z., Lashkari M., Synthesis of new phosphonate esters by reaction between triphenyl or trialkyl phosphite and acetylenic diesters in the presence of NH-containing compounds, *Heteroatom Chemistry*, No. 22, pp. 630-639, 2011.
91. Maghsoodlou M. T., Hazeri N., Habibi ,& Khorassani S. M., Heydari R., Marandi G., Lashkari M., Bagherpour K., Gharechaei Z., Synthesis of phosphonate esters involving heterocyclic biological bases in a highly diastereoselective and chemoselective route, *Monatshefte fur Chemie*, No. 141, pp.

351-356,2010.

92. Maghsoodlou M. T., Habibi ,& Khorassani S. M., Heydari R., Rostami Charati F., Hazeri N., Lashkari M., Rostamizadeh M., Marandi G., Sobolev A., Makha M.,Highly stereoselective construction of functionalized cyclopropanes from the reaction between acetylenic esters and C-H acids in the presence of triphenylarsine,Tetrahedron Letters,No. 50,pp. 4439-4442,2009.

93. Aminkhani A., Kabiri R., Habibi ,& Khorassani S.M., Heydari R., Maghsoodlou M. T., Marandi G., Lashkari M., Rostamizadeh M.,Synthesis of heterocyclic phosphonate esters by reaction between triphenyl phosphite and acetylenic diesters in the presence of sulfur-containing heterocyclic compounds,Journal of Sulfur Chemistry,No. 30,pp. 500-506,2009.

94. Maghsoodlou M. T., Hazeri N., Habibi ,& Khorassani S. M., Moeeni Z., Marandi G., Lashkari M., Ghasemzadeh M., Bijanzadeh H. R.,Water-acetone media enforced chemoselective synthesis of 2-substituted pyrrole stable phosphorus ylides from reaction between pyrrole and acetylenic esters in the presence of triphenylphosphine,Journal of Chemical Research,pp. 566-568,2007.