

CURRICULAM VITAE - Dr. A. LALITHA



Qualifications

- M.Sc., Madurai Kamaraj University, Madurai, India (1993)
- Ph.D., Madurai Kamaraj University, Madurai, India (2001)

Areas of research

- Organic synthesis
- Heterogeneous catalysis
- Organic Photochemistry

Membership in professional bodies

- Chemical Research Society of India
- Organization for Women in Science for the Developing World

Awards

- First Rank in M.Sc.,
- Qualified GATE
- CSIR - Senior Research Fellowship
- Women Scientist Project from DST

Selected recent publications

1. Iodine-catalyzed one-pot synthesis of amides from nitriles via Ritter reaction, P.Theerthagiri, P.N. Arunachalam, **A. Lalitha**, Tetrahedron Letters, 51, 2010, 2813-2819.
2. Simple and efficient method for the synthesis of highly substituted imidazoles using zeolite-supported reagents, K. Sivakumar, A. Kathirvel, **A. Lalitha**, Tetrahedron Letters, 51, 2010, 3018-3021.

3. Benzylation of β -dicarbonyl compounds and 4-hydroxycoumarin using TMSOTf catalyst: a simple, mild, and efficient method, P.Theerthagiri, **A. Lalitha**, Tetrahedron Letters, 51, 2010, 5454 – 5458.
4. Water-mediated strecker reaction: an efficient and environmentally friendly approach for the synthesis of α - aminonitriles via a three-component condensation, S. Ramesh, K. Sivakumar, C. Panja, P.N. Arunachalam, **A. Lalitha**, Synthetic Communications, 40, 2010, 1-8.
5. Cu(II)-impregnated sulfated MCM-41: An efficient and convenient protocol for the synthesis of 1,3-benzodioxoles, K. Sivakumar, **A. Lalitha**, Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry, 41, 2011, 1-3.
6. Zn(OTf)₂-catalyzed direct cyanation of benzylic alcohols-A novel synthesis of α -aryl nitriles, P.Theerthagiri, **A. Lalitha**, Tetrahedron Letters, 53, 2012, 5535-5538.
7. Iodine-catalyzed N-alkylation of tosylhydrazones with benzylic alcohols, P.Theerthagiri, **A. Lalitha**, Journal of the Iranian Chemical Society, 10, 4, 2013, 717-724.
8. Synthesis of novel bis(pyrimido[5,4-*c*]quinoline-2,4(1*H*,3*H*)-dione) and its derivatives: Evaluation of their antioxidant properties, Kandasamy Parameswaran, Paramasivam Sivaguru, **Appaswami Lalitha**, Bioorganic & Medicinal Chemistry Letters, 23, 13, 2013, 3873-3878.
9. Regioselective ethoxy-carbonylation of Indoles and Indazoles using DEAD and Tetraethylammonium cyanide, Samikannu Ramesh, Pirama Nayagam Arunachalam, **Appaswami Lalitha**, RSC Adv., 3, 23, 2013, 8666- 8669
10. Scandium(III) Triflate Catalyzed 1,4-Addition of Cyano Group to Enones Using Tetraethylammonium Cyanide as the Cyanide Source, S. Ramesh, **A. Lalitha**, Acta Chimica Slovenica, 60, 2013, 689-694.
11. Ceric ammonium nitrate supported HY-Zeolite: An efficient catalyst for the synthesis of 1,8-dioxo-octahydroxanthenes, Paramasivam Sivaguru, **Appaswami Lalitha**, Chinese Chemical Letters, 25, 2, 2014, 321-323.
12. An efficient green chemistry protocol for the synthesis of novel spiropyrrolizidine compounds, Krishnan Revathy, **Appaswami Lalitha**, RSC Advances, 2014, 4, 279-285.
13. Synthesis of 2-aryl-2,3-dihydroquinazolin-4(1*H*)-ones using boric acid-functionalized MCM-41 as a novel heterogeneous catalyst under solvent-free condition, Paramasivam Sivaguru, Kandasamy Parameswaran, Madheswaran

Kiruthika, Pullar Vadivel, **Appaswami Lalitha**, Journal of the Iranian Chemical Society, 2014.

14. Synthesis of 5-substituted 1*H*-tetrazoles catalyzed by ceric ammonium nitrate supported HY-zeolite, Paramasivam Sivaguru, Kaliyan Bhuvaneshwari, Rangasamy Ramkumar, **Appaswami Lalitha**, Tetrahedron Letters, 55, 2014, 5683-5686.

Contact

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