

Publications Chemistry Department

Dr. R. V. Shejwal

1. Microwave assisted synthesis, structure and spectral characterization of novel Schiff's bases under solvent free conditions. Nalawade R. A., Nalawade A. M., Londhe B. S. and **Shejwal R. V.** . Research journal of Chemistry and Environment, vol.19(10)October 2015-11-04
2. Microwave assisted Synthesis, Structure, Spectral Characterisation and Biological Studies of (E)- N-(4-chlorobenzylidene)hydrazinecarbothiohydrazide. Rekha A. Nalawade, Avinash M. Nalawade, Shivaji V. Rajmane and **Rajendra V. Shejwal** .
International Journal of Pharmaceutical Science Invention. Volume 4 Issue 5, May 2015
3. Kinetics and mechanism of oxidation of Ethanediol by Co^{3+} ion.
J.N. Barge, **R.V. Shejwal**, G.S. Gokavi. Oxidation communication 33 No-2 365-370
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4. Microwave – assisted Cyclocondensation for the synthesis of 3-Aryl-2-thioquiazolin – 4-(3H) – ones Suresh Patil, S.D. Jadhav, **R.V. Shejwal**, M.B. Deshmukh
Asian Journal of chemistry vol-24 No.4 (2012) 1858-1860
5. Extraction and separation of mercury (II) from succinate media with high molecular weight amines as an extractant. C.P. Mane, S.V. Mahamuni, A.P. Gaikwad, **R.V. Shejwal**, S.S. Kolekar, M.A. Anuse. Journal of Saudi chemical society.
6. Rapid one-pot four component synthesis of bioactive pyranopyrazoles using citric acid as a mild organocatalyst. P. B Pawar, S D Jadhav, B M Patil, **R V Shejwal** and Suresh Patil. Archives of Applied Science Research, 2014, 6(1):150-15
7. Synthesis of new Triazolo and pyrazolo Benzothiazoles

M.B.Deshmukh , S.S.Patil, S.D.Jadhav, **R.V.Shejwal**

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8. 2- octylaminopyridine as an analytical Extractant for liquid-liquid extraction and separation of cadmium(II) from toxic metal ions

C.P.Mane, S.V.Mahamuni , A.P. GAikwad , **R.V.Shejwal**, S.S.Kolekar,M.A.Anuse

Communicated to Journal of I Chemical Society.

Dr C. P. Mane

1. Extraction and separation of mercury(II) from succinate media with high molecular weight amine as an extractant

Mane, C.P., Mahamuni, S.V., Gaikwad, A.P., (...), Kolekar, S.S., Anuse, M.A.

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2. Hexavalent chromium recovery by liquid-liquid extraction with 2-octylaminopyridine from acidic chloride media and its sequential separation from other heavy toxic metal ions , Arabian Journal of Chemistry

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3. Studies on liquid-liquid extraction and recovery of bismuth(III) from succinate media using 2-octylaminopyridine in chloroform

Mane, C.P., Anuse, M.A. 2008,Journal of the Chinese Chemical Society

4. Extraction behaviour of 2-octylaminopyridine towards lead(II) from succinate media and its separation from other toxic metals

Mane, C.P., Anuse, M.A. ,2008,Journal of Hazardous Materials

Dr A. M. Nalawade

Mrs R A Nalawade

1. Shape-controlled preparation and catalytic activity of metal nanoparticles for hydrogenation of 2-butyne-1,4-diol and styrene oxide

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2. Carbon-carbon bond formation via palladium catalyzed reactions of organomercurials with acylhalides

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3. Spectral, thermal, XRD and biological studies on 4-(p-fluorophenyl)-2- amino-thiazole

More, P.G., Lawand, A.S., Dalave, N.V., **Nalawade, A.M.** 2008

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4. Palladium catalyzed cross-coupling reactions of organomercurials

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5. Co II and Zn II complexes of Schiff bases derived from fluoroaminothiazole: Spectral, magnetic and biological studies

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1. Microwave assisted synthesis, characterization of substituted 2-aminothiazoles and their biological activity, *DAV International Journal of Science* Volume-2, Issue-1 January, 65,2013 ISSN: 2277-5536 (Print); 2277-5641 (Online)

Rajmane S. V.*, Lawand A. S.** , **Nalawade A. M.****, Bhalvankar R. B.* , Dama L. B.* and More P. G

2] 4-(*o*-chlorophenyl)-2-Aminothiazole: Microwave assisted synthesis, spectral, thermal, XRD and biological studies

S. V. Rajmane, A. S. Lawand, **A. M. Nalawade**, N. N. Karale and P. G. More

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy

Volume 115, p. 393-398.

3] Thiazole Containing Schiff's Bases and Their Transition Metal Complexes *International of Engineering Science Invention* ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org Volume 2 Issue 7 | July. 2013 | PP.01-04

A.M. Nalawade , R.A. Nalawade , S.M. Patange, D.R. Tase, 2014-15

Publication in Seminar /Conferenses

1]Microwave assisted synthesis, structure, spectral characterization and biological studies of (e)-n'-(4methylbenzylidene)hydrazinecarbothiohydrazide

R.A. Nalawade , A.M. Nalawade , C.P. Mane , D.V. Rupnawar, M.K. Sakate , B.S. Londhe, R.V. Shejwal , M.A. Anuse

Published in *International J. of Researches in Biosciences* ISSN-2347-517X, Issue-1, May -2015

page No-139-141

2]Microwave assisted synthesis, structure, spectral characterization and biological studies of (e)-n'-(4- fluoro benzylidene)hydrazinecarbothiohydrazide

A.M. Nalawade, R.A. Nalawade, B.S. Londhe, N. L. Tarwal, R.V. Shejwal .

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page No-95-97

3] Divalent cadmium recovery by liquid- liquid extraction with 2-octylaminopyridine from acidic bromide media and it's separation from other toxic metal ions

C.P. Mane , M.K. Sakate , D.V. Rupnawar , **R.A. Nalawade, A.M. Nalawade**, R.V. Shejwal , M.A. Anuse

Published in International J. of Researches in Biosciences ISSN-2347-517X, Issue-1, May -2015
page No-68-71

4]Analysis of physico-chemical parameters of water in various villages in tasgaon tahsil, district. maharashtra- india

R.A. Nalawade, A.M. Nalawade , C.P. Mane , D.V. Rupnawar , M.K. Sakate , B.S. Londhe , R.V. Shejwal , M.A. Anuse ,**Published in Bionanofrontier, SGM, Karad, March 2015**

5]Microwave assisted synthesis,structure and spectral characterization of (e)-n'-(2-hydroxybenzylidene) hydrazinecarbothiohydrazide under solvent and catalyst free conditions

R.A. Nalawade, A.M. Nalawade , B.S. Londhe , N.L. Tarwal, R.V. Shejwal , M.A. Anuse

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6] Physicochemical and biological studies on 4-(o,p-dichlorophenyl)- 2-aminothiazole

R. A. Nalawade, S. M. Patange, S. V. Rajmane, P. G. More and **A. M.,Nalawade**

Published in International J. of Pharmaceutical Science Invention, ISSN-2319-670X, vol-3, issue 9, Sept 2014, page no-55-59

7]Microwave Assisted Synthesis, Structure, Spectral Characterization And Biological Studies Of (E)-N'-(4- Chloro -Benzylidene)Hydrazinecarbothiohydrazide

Rekha A. Nalawade , **Avinash M. Nalawade** , Shivaji V . Rajmane , **Rajendra V. Shejwal**

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2015-16

1] [Rapid, synergistic extractive spectrophotometric determination of copper\(II\) by using sensitive chromogenic reagent \$N''',N'''\$ -bis\[\(E\)-\(4-fluorophenyl\)methylidene\]thiocarbonohydrazide](#)

Rekha A. Nalawade, Avinash M. Nalawade, Ganesh S. Kamble, Mansing A. Anuse

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 146 (2015) 297–306
7/2015

2] Microwave assisted synthesis, structure and spectral characterization of novel Schiff's bases of Thiocarbonohydrazides under solvent and catalyst free conditions

Nalawade R. A., Nalawade A. M., Londhe B. S. and Shejwal R.V.

Published in Research J. of Chemistry and Environment, volume 19(10), Oct 2015,

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