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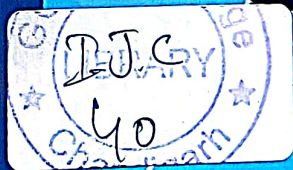
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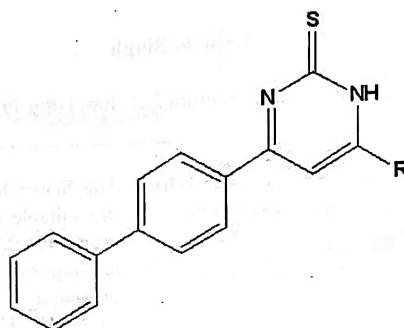
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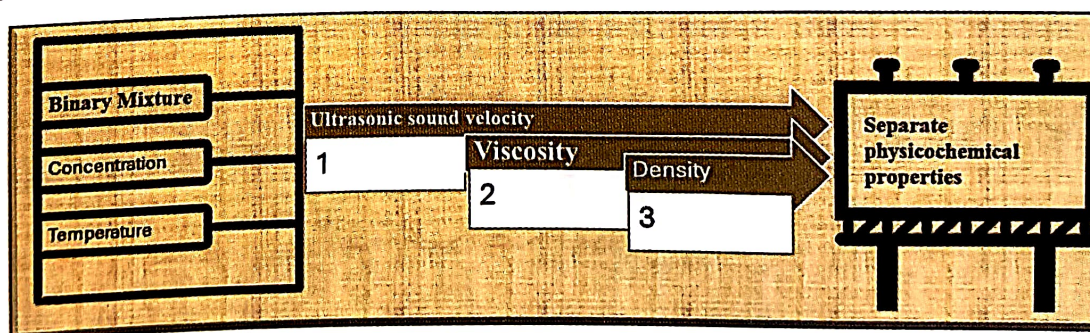
- 465 Synthesis, spectral, molecular docking and antimicrobial studies of some substituted 4-([1,1'-biphenyl]-4-yl) pyrimidine-2(1H)-thiones



R Venkatraman, J Divya, P Gayathri, I Muthuvel & G Thirunarayanan*

Department of Chemistry, Annamalai University, Annamalinagar 608 002, India

- 476 Effect of temperature and solvents on thermo-physical properties of pyrimidine substituted thiazolidinone derivatives at three different temperatures

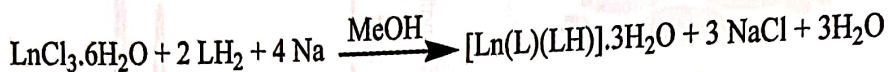


Umang P Mehta, Dinesh R Godhani*, Anwar H Saiyad, Kuldip P Parmar & Jignasu P Mehta

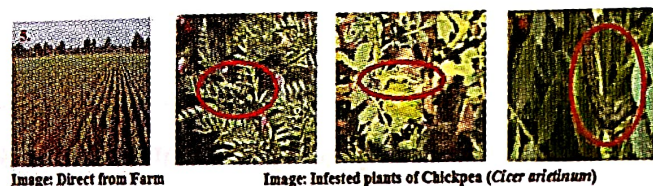
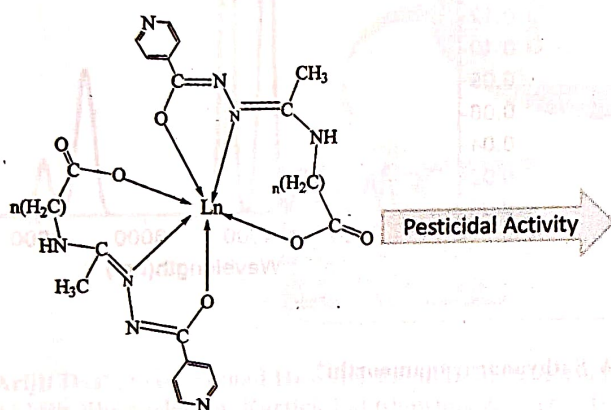
Department of Chemistry (DST-FIST sponsored Department), Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar 364 002, India

500 **Synthesis, structural characterization and pesticidal studies of lanthanide complexes with tridentate Schiff base ligands**

Tridentate Schiff base ligands 2-acetamido propanoic acid isonicotinoyl hydrazone (L^1H_2) and 2-acetamido acetic acid isonicotinoyl hydrazone (L^2H_2) and their Ln(III) [Ln = La(III), Pr(III), Nd(III) and Sm(III)] metal complexes have been synthesized and characterized by elemental analysis (CHNO), magnetic susceptibility, electronic and spectral studies. The effect of Ln(III) complexes with selected ligand (L^1H_2) have been tested for pesticidal activity on *Helicoverpa armigera* and *Spodoptera litura*. As compared to the ligand, the complexes are shown to have increased activity.



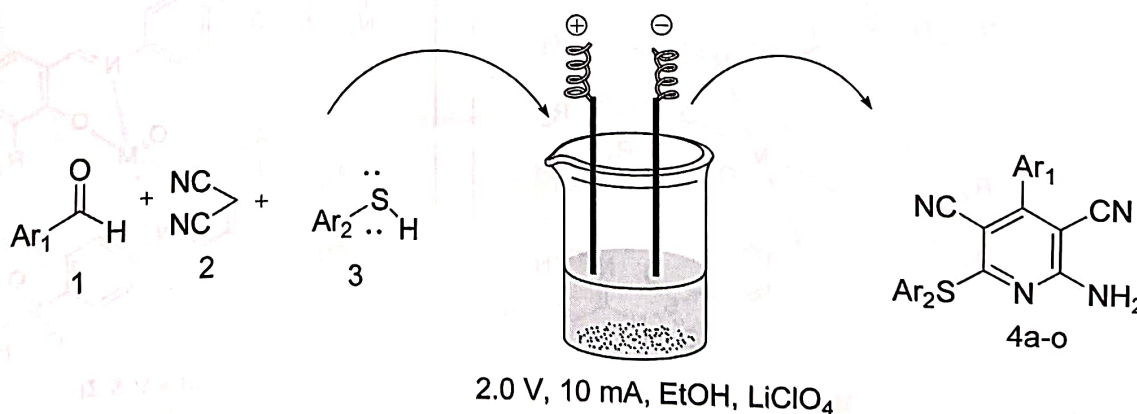
Where, Ln = La, Pr, Nd and Sm, $LH_2 = L^1H_2$ and L^2H_2



Pradeep K Mitharwal, Medha Babel, Jaswant Raj, Anita Kumari & R V Singh*

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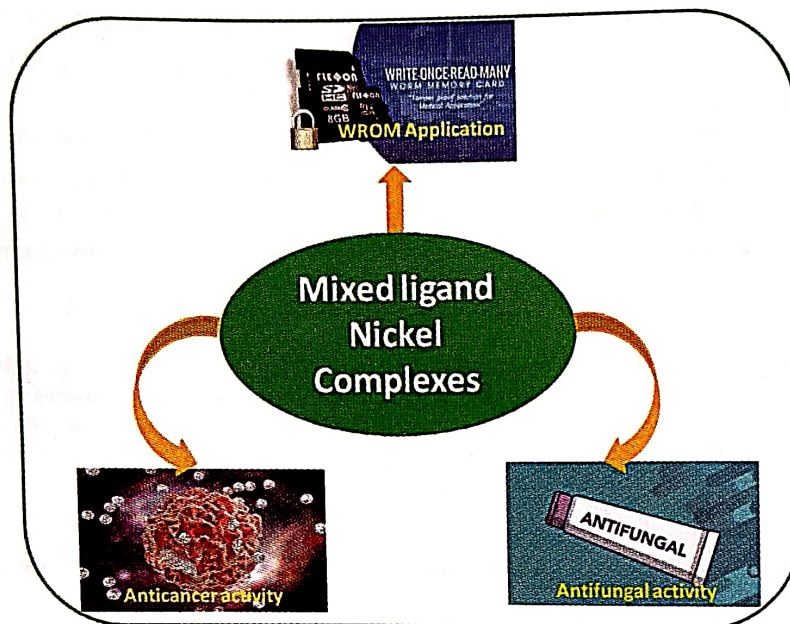
507 **Electrocatalytic assisted one pot three component reaction for construction of highly substituted pyridine**



Phool Chandra, Renu Singh & Vinay K Singh*

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Arijit Das*, Syed Arshad Hussain, Rahul Deb, Debasish Maiti, Snehashish Modak, Sandeep Acharya, Abhijit Bhattacharya, Kartick Lal Bhowmik & Paresn Debnath*

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