

Brief Profile

Name: Priyabrata Roy

Designation: Assistant Professor

Department: Chemistry

Email: priyo_chem@yahoo.co.in

Highest Qualification (Year and Name of the University or Institute if applicable) : Ph. D.

Teaching Experience: 9 years

Subjects Taught: Chemistry

Vidwan id: 494962

Scopus/Orchid/any other id: N/A

Research Experience: 7.5 years

Research Interest: Synthesis of nitrogen heterocycles of biological importance

Industry Experience: Nil

Awards or Recognitions received (Achievements):

Member of BOS, GB of other college: No

Member of Professional Bodies:

1. Life Time Member of Indian Chemical Society
2. Life Time Member of Indian Science Congress Association

List of Selected Publications:

1. **P. Roy** and B. K. Ghorai, "One-pot three-component synthesis of quinoxaline and phenazine ring systems using Fischer carbene complexes", *Beilstein J. Org. Chem.*, **2010**, *6*, No. 52. doi:10.3762/bjoc.6.52
2. **P. Roy**, D. Jana and B. K. Ghorai, "Synthesis and Photophysical Properties of Stilbenoid Dendrimers via Heck Reaction on a Tetraphenylethylene Core", *Bull. Chem. Soc. Jpn.*, **2010**, *83*, 1269–1271.
3. **P. Roy** and B. K. Ghorai, "One-pot synthesis of furo[2,3-*h*]quinoline and furo[2,3-*h*]isoquinoline derivatives using Fischer carbene complex", *Tetrahedron Lett.* **2011**, *52*, 251–253.
4. S. Mukherjee, **P. Roy** and B. K. Ghorai, "One-pot three-component synthesis of quinoxaline, quinazoline and phenazine ring systems using Fischer carbene complexes", *Synthesis*, **2011**, 1419–1426.

5. **P. Roy** and B. K. Ghorai, “Annulation of furan-bridged 10-membered rings on *N*-heterocycles through [8+2] cycloaddition of dienzylazaisobenzofurans and dimethyl acetylenedicarboxylate”, *Tetrahedron Lett.* **2011**, 52, 5668–5671.
6. **P. Roy** and B. K. Ghorai, “One-pot synthesis of pyrano[4,3-*b*]quinolinones from 2-alkynyl-3-formylquinolines *via* oxidative 6-*endo-dig* ring closure”, *Tetrahedron Lett.* **2012**, 53, 235–238.
7. **P. Roy**, P. Mitra and B. K. Ghorai, “Synthesis of azahomosteroid ring system through intramolecular [4+2] cycloaddition of *in situ* generated azaisobenzofuran intermediates”, *Tetrahedron Lett.* **2013**, 54, 1440–1443.
8. **P. Roy** and A. Pramanik, “One-pot sequential synthesis of 1,2-disubstituted benzimidazoles under metal-free conditions”, *Tetrahedron Lett.* **2011**, 54, 5243–5245.
9. **P. Roy**, D. Jana, A. Kundu and A. Pramanik “Electron donating group stimulated aggregation induced emission enhancement of oligophenylenevinylene-cored luminogens”, *RSC Advances*, **2014**, 4, 62684–62688.
10. **P. Roy**, C. Bodhak and A. Pramanik “Synthesis of amino ester-embedded benzimidazoles: a one-pot sequential protocol under metal-free neutral conditions”, *Molecular Diversity*, **2016**, 21, 89–100.