

CURRICULAM VITAE

Santanu Chakravorty

Assistant Professor

Mathabhanga College, Mathabhanga-736146

Coochbehar,

DOB: 25.08.1980

West Bengal, India

E-mail: santanu_org@yahoo.com

Permanent Address:

Vivekananda Street

Near Bakul Tala Kali Mandir

Coochbehar-736101

Educational Degrees:

Postdoc:	Yonsei University, Wanju, South Korea, 2011
	University of Witwatersrand, Johannesburg, South Africa, 2010-2011
PhD	Kalyani University, 2010
	Thesis: Synthesis and Characterization of Liquid Crystalline Materials
MSc	Department of Chemistry, North Bengal University, West Bengal, India, 2004, 69.1%
BSc	ABN Seal College, Coochbehar, 2002, 63.1%
HS	Rambhola High School, Coochbehar, 79%
MP	Maharaja Nripendra Narayan High School, Coochbehar, 73%

Present Position: Assistant Professor, Department of Chemistry, Mathabhanga College, Mathabhanga-736146, Coochbehar, Westbengal, India

Professional Experience:

Senior Research Scientist, TCG Life Science , Kolakata, 2015-2017

Research Scientist, TCG Life Science, Kolakata 2012-2015

List of Publications:

1. Majumdar, K.C.; **Chakravorty, S**; Ray, K. Palladium mediated direct synthesis of N-substituted 4-methyl and 4-ethyl isoquinolone derivative. *Syntheis* **2008**, 2991.
2. Majumdar, K.C.; De, N.; **Chakravorty, S**. Palladium-mediated bis arylation of inactivated and activated arenes. *Synthetic Communication* **2011**, 41, 121.
3. Majumdar, K.C.; Ghosh, T.; **Chakravorty, S**. Palladium mediated reductive Mizoroki-Heck Cyclization strategy for the regioselective formation of dibenzoazocinone framework. *Tetrahedron Letter*, **2010**, 51, 3372.
4. Majumdar, K.C.; Sinha, B.; Ansari, I.; **Chakravorty, S**; Molecular iodine mediated intramolecular cyclization: an efficient method for the synthesis of Benzoxepine derivative. *Synlett*, **2010**, 1407.
5. Majumdar, K.C.; **Chakravorty, S**; Ghosh, T. Palladium mediated reductive Heck Cyclization for the formation of dibenzoazepinone framework. *Synlett* **2009**, 3127.
6. Majumdar, K.C.; Chattoopadhyay, B.; **Chakravorty, S**. An expedient palladium-mediated intramolecular cyclization route to the synthesis of bis-fused benzofuran and a two-directional ring closing metathesis for the synthesis of bis-benzoxepin and bis-benzooxicine. *Synthesis* 674, 2009.
7. Majumdar, K.C.; Chattoopadhyay, B.; **Chakravorty, S**. Bis-fused benzofurans, benzooxazines. *Synfacts*, 2009, 5, 0499.
8. Majumdar, K.C.; **Chakravorty, S**; De, N. "Palladium-mediated bis and tris-biaryl Heck coupling for the synthesis of heterocycles" *Tetrahedron Lett.* 2008, 49, 3419
9. Majumdar, K.C.; **Chakravorty, S**; Shyam, P. K.; Taher, A. "Palladium-mediated Heck reaction to the synthesis of 3-substituted indoles and indolones framework" *Synthesis* 2009, 403.
10. Majumdar, K.C.; **Chakravorty, S**; Taher, A. "New efficient RCM-mediated synthesis of pyrrolidine derivatives". *Synth. Commun.* 2008, 38, 31`99.
11. Majumdar, K.C.; Sinha, R. K.; **Chakravorty, S**; Induction of B1 phase in binary mixture of rod-shaped and bent-shaped mesomorphic compound." *Journal of Physics and Chemistry of Solids* 2009, 70, 1171.
12. Majumdar, K.C.; **Chakravorty, S**; Pal, N.; Sinha, R. K. "Synthesis and characterization of cholesterol-based nonsymmetric dimers terminated with ferrocenyl core" *Tetrahedron* 2009, 65, 152.

13. Majumdar, K.C.; **Chakravorty, S.**; Sinha, R. K.; Pal, N. Synthesis and characterization of bent-shaped material derived from benzophenone moiety." *Molecular crystal liquid crystals*, 2009, 515, 123.
14. Majumdar, K.C.; **Chakravorty, S.**; Pal, N.; Rao, N. V. S. " Synthesis and thermal behavior of chiral oligomers derived from cholesterol" *Tetrahedron*, 2009, 65, 152.
15. Majumdar, K.C.; Chattopadhyay, B.; **Chakravorty, S.**; Pal, N.; Sinha, R. K. "Anew type of symmetrical banana-shaped material based on N-methyldiphenylamine as a core moiety exhibiting an A_d-A₂ transition". *Tetrahedron Letter*. 2008, 49, 7149.
16. Majumdar, K.C.; **Chakravorty, S.**; Pal. "Synthesis and characterization of five ring achiral banana-shaped material showing B2 phase". *Molecular Crystal liquid crystals* 2009, 503, 112.
17. Majumdar, K.C.; Ghosh, T.; **Chakravorty, S.** "Synthesis and characterization of symmetrical eight aromatic ring containg bent-shaped material derived from benzophenone" *Molecular crystal liquid crystal*, 2010, 533, 63.
18. Majumdar, K.C.; Ponra, S.; **Chakravorty, S.** "Synthesis and characterization of cholesterol-based tetramer". *Molecular crystal liquid crystal*, 2010, 528, 113
19. Majumdar, K.C.; Shyam, P.; **Chakravorty, S.** "Synthesis and characterization of unsymmetrical six-aromatic ring containing bent-shaped compounds". *Liquid Crystal*, 2010, 37, 1237.
20. Majumdar, K.C.; Ghosh, T.; **Chakravorty, S.** Pal, N.; Rao, D. S. S.; Prasad, S. K. "Cholesterol based unsymmetrical Schiff's base dimer terminated with 4-alkoxy-5-phenylthiophene unit: Synthesis and characterization" *Liquid Crystal*, 2010, 37, 1539.
21. Mbatha, L.; **Chakravorty, S.**; B de Koning, C.; Van otterlo, W. A. "Spacer length: a determining factor in the design for heptoma cell specific liposomal gene delivery". *Current drug delivery*, 2016, 13 (6), 935-945.
22. **Chakravorty, S.**; Rayner, M. K.; Van Vurren, S. F.; Van otterlo, W. A. "Synthesis and antimicrobial activity of the essential oil compounds (E)-aand (Z)-3-hexenyl nonanoate and two analogues". *South African Journal of Chemistry*, 2012, 65, 202-205
23. Devids, H.; Theunissen, R.; **Chakravorty, S.**; Mohammed, R.; Frost, C.; Van otterlo, W. A.; B de Koning, C. "Aminonaphthoquinones as potential anti-breast cancer agents. *African Journal of Pharmacy and Pharmacology*". 2012, 6 (45), 3102-3112.
24. **Chakravorty, S.**; Kleina, H. F.; Hodson, L. E.; Rabillier, M.; Fang, Z.; Richters, A.; Pelly, C. S.; Rauh, D.; Van otterlo, W. A. "Synthesis of novel piperazine-linked anthranilic acids as potential small molecule kinase inhibitor". *South African Journal of Chemistry*, 2014, 67 (1), 71-79.

25. Joardar, S.; **Chakravorty, S.**; Das S. "Palladium-mediated reductive Heck cyclization for the formation of tricyclic sultams". *Synlett*, 2015, 26 (03), 359-362.

26. Joardar, S.; **Chakravorty, S.**; Das S. "A simple, convenient, highly regioselective synthesis of isobenzofuran-1(3H)-ones(phthalides) as well as Maculalactone A & B, the bioactive butyrolactones". *Letters in Organic Chemistry*, 2016, 13 (2), 127-13

Participation in Conference:

1. Presented a paper at the National Symposium on Liquid Crystal organized by Department of Chemistry, Assam University, Silchar, India, 2006.
2. National Symposium on Current trends in Chemistry organized by University of Kalyani, Kalyani, India, January 30-31, 2007
3. National Symposium on Current trends in Chemistry organized by University of Kalyani, Kalyani, India, January 08, 2008
4. Presented a poster at the conference on mesogenic and ferroic material organized by Department of Physics, Banaras Hindu University, Banaras, India, 2008.
5. National Symposium on Current trends in Chemistry organized by University of Kalyani, Kalyani, India, March 04, 2008
6. 16th National Conference on Liquid Crystal Organized by Department of Physics, University of Lucknow, India, 26-28 October 2009.
7. Scientific Programme SACI, University of Witwatersrand, Johannesburg, South Africa, 2011
8. Recent Development in Chemistry, Coochbehar Panchanan Barma University, India, 25-26 May, 2018
9. Recent Development in Chemistry, Coochbehar Panchanan Barma University, India, 7-8 September, 2018