

Curriculum Vitae

1. Name : **Dr Yasmin Saima**

2. **Present Position and Address**

Designation : Associate Professor

Department : Department of Chemistry

Institute Name : Vivekananda College, Madhyamgram (Affiliated to West Bengal State University)

Address:

Office : Department of Chemistry, Vivekananda College, Madhyamgram

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Academic Credentials Ph.D. M.Sc, Ph.D

**Ph. D. Thesis title: *Stereoselective Syntheses of Chiral Heterocycles*

3. **Teaching Experience**

TwentyTwo (22) years of teaching experience (as a fulltime faculty member) in BSc Honors and General course. Topics taught: Carbohydrate chemistry, Pericyclic Reactions, Spectroscopy, Reaction Mechanism, Stereochemistry and Protein Chemistry.

Apr (2019) – Till date: Associate Professor, Department of Chemistry, Vivekananda College, Madhyamgram

Dec (2013) – Mar (2019): Associate Professor, Department of Chemistry, Sreegopal Banerjee College

2010 (Dec) – Nov (2013): Assistant Professor (Stage-III), Department of Chemistry

2005 (Dec) – 2010 (Nov): Assistant Professor (Stage-II), Department of Chemistry

1999 (Dec) – 2005 (Nov): Lecturer (Full time), Department of Chemistry

4. **Administrative Experience:**

In Charge, Department of Chemistry,
Vivekananda College, Madhyamgram: From April 2019 till date

In Charge, Department of Chemistry,
Vivekananda College, Madhyamgram : From September 2012 to March 2019

Secretary, Teacher's Council : 2016 – 2017

Committee Membership : Member, Governing Body, Vivekananda College, Madhyamgram (Sept 2021-till date)

: Convenor, Career Counselling, Training & Placement Cell (2019 -till date)

: Member, IQAC (2019-till date) Vivekananda College, Madhyamgram

: Member, IQAC (2017 – March 2019) SGB College

: University Convener & paper-setter for CBCS-SEM-I Exam

: Member, Career Counselling Committee (2017 – 2019)

: Member, Admission Committee (since 2013- 2017)

: Member, Library Committee (2013-2015)

: Convener, Routine Committee (2013-15)

5. Research Experience:

Doctoral Research:

No	Institution	Year	Research Topic
1	Sreegopal Banerjee College (UGC Minor Project)	2015-2017	Synthesis and characterization of transition metal nano particles (Nps) and study of their catalytic properties in a few organic synthesis in particular molecules of biological importance
2	University of Calcutta	~6 years 2006-12	Stereoselective synthesis of chiral heterocycles (as teacher fellow under UGC-FDP scheme, 2010-2012)
3	I.I.C.B., Kolkata-700032	~4 years 1995-99	Isolation and structure elucidation of biologically active polysaccharides (as JRF/SRF qualifying UGC-NET, 1994 _)

Funded Projects:

Funding Agency	Project No.	Project title	Fund Awarded	Duration
UGC	FPSW-18/06-07 dated 12.12.2006	Lewis Acid Catalyzed Synthesis of Benzylidene Glycols	Rs.80,000	12/12/2006 to 11/12/2008
UGC	F. No. PSW-028 / 14-15 (ERO) dated 03.02.2015	Synthesis and characterization of transition metal nano particles (Nps) and study of their catalytic properties in a few organic synthesis in particular molecules of biological importance	Rs.2,80,283	15/06/2015 to 14/06/2017

6. Papers & Patents:

- i. Covid-19: Increasing effectiveness of virtual classes in undergraduate colleges of West Bengal **Yasmin Saima** *International Journal of Multidisciplinary Research and Development* August **2021**, vol 8, Issue 8, 07-09 ISSN: 2349-4182
- ii. The Politics Behind India's Language Policy **Yasmin Saima** *International journal of Multidisciplinary Educational Research* April **2021**, vol 10, Issue 4(3), 121-123, ISSN: 2277-7881
- iii. Science Vs. Meditation **Yasmin Saima** *International journal of Multidisciplinary Educational Research* Jan **2021**, vol 10, Issue 1(5), 135-138, ISSN: 2277-7881

- iv. Buddhism: Its Connections with Modern Science Yasmin Saima *International Journal of Multidisciplinary Educational Research* Nov 2020, vol 9, Issue 11(4), 92-95, ISSN : 2277-7881
- v. Fabrication of High-Valent Manganese Nanoparticles: Easy synthesis of Isoxazolines and Isoxazoles with excellent Regio- and Stereoselectivity, Saima Yasmin, Ghosh Tanmoy, Maiti Rituparna, Sengupta Tista, Khamurai Saikat and Maiti Dilip K. *NanoMatChemBioDev* 2018, 1, 1-15
- vi. Functionalized Mn^{VI}-nanoparticles: an advanced high-valent magnetic catalyst, Saikat Khamarui, Yasmin Saima, Radha M. Laha, Subhadeep Ghosh and Dilip K. Maiti. *Scientific Reports* 2015, March, 8636
- vii. 1,3-Dipolar Cycloaddition Reaction – Generation of Nitrile Oxides and Synthesis of Isoxazolines and Isoxazoles, Yasmin Saima, The Journal of Interdisciplinary Study, ISSN:2395-325X, 2015, 1, 127-139.
- viii. Efficient catalytic cyclizations of three and two imine assemblies: direct access to tetrahydroimidazo [1,5-c] imidazo-7-ones and imidazoles. Yasmin Saima, Saikat Khamarui, Krishnanka S. Gayen, Palash Pandit and Dilip K. Maiti. *Chem. Commun.* 2012, 48, 6601-6603.
- ix. Cu (0) nanoparticle catalyzed efficient reductive cleavage of isoxazoline, carbonyl azide and domino cyclization in water medium. Krishnanka S. Gayen, Tista Sengupta, Yasmin Saima, Adita Das, Dilip K. Maiti and Atanu Mitra. *Green Chem.* 2012, 14, 1589-1592.
- x. Synthesis of glycol based chiral benzimidazoles by VO(acac)₂ – CeCl₃ combo catalyst and their self-aggregated nanostructured materials. Dilip K. Maiti, Samiran Halder, Palash Pandit, Nirbhik Chatterjee, Dripta De Joarder, Nabyendu Pramanik, Yasmin Saima, Amarendra Patra and Prabir K. Maiti. *J. Org. Chem.* 2009, 74, 8086-8097.
- xi. An antitumor pectic polysaccharide from *Feronialimonia*. Yasmin Saima, A.K. Das, K.K. Sarkar, A.K. Sen (Sr), P. Sur. *International Journal of Biological Macromolecules*, 2000, 27, 333-335.
- xii. Patent obtained on “A process for the isolation of a carbohydrate fraction with potent antitumor activity from the fruits of *Feronialimonia*”. Yasmin Saima, Asit Kumar Das, Pratima Sur and Ashis Kumar Sen (Sr.) **Patent No. NF-54/97 dated 1.4.1997.**
- xiii. Studies on enamides. Part-5: A novel pathway for photochemical reaction of N-1-Cyclohexenyl-N-Phenylarylamides. Somnath Ghosh, Bidisha Nandi and Yasmin Saima. *Tetrahedron Letters*, 1996, 37, 3169-3170.

7. **Books Published:** Title: High -valent Manganese nano-particles, LAP LAMBERT Academic Publishing, First Edition 2021, ISBN: 978-620-3-47121-2

8. Conference Proceedings:

- i. Does Creation of Smaller States Lead to Reduced Regional Economic Disparity? Yasmin Saima Sustainable Development: Economics Ethics and Environment, Edited Book, Published by Rohininandan, 19/2, Radhanath Mallick Lane, Kolkata 700012 ISBN 978-81-928721-5-5, 2016, 166-173
- ii. Green Chemistry: Metal nanoparticles are outstanding catalyst in water medium which can reduce impact on environmental hazards. Krishnanka S. Gayen, Dipanwita Roy, Srikanta Samanta, Yasmin Saima, Saikat Khamarui and Dilip K. Maiti. *National Symposium on Environmental Hazards* ISBN 81-87500-67-1, 2013, 10-13.
- iii. Role of Metal Nanoparticles and Nano-reactor in Organic Synthesis. Saikat Khamarui, Yasmin Saima, Krishnanka S. Gayen, Dipanwita Roy, Srikanta Samanta and Dilip K. Maiti. *National Conference on Emerging Frontiers in Chemistry*. ISBN: 978-3-659-32996-8, 2013, 5-7, Lambert Academic Publisher (LAP), Germany.

9. Posters Presented:

- i. A green carbosphere-nanofabricated platinum silicate-NPs displayed unorthodox iminationnanocatalysis through C=C Cleavage **Yasmin Saima**, Sanghamitra Atta, Sudipta Debnath and Diip Kr Maiti, International Conference on Chemistry for Human Development (ICCHD-2020), January 9-11th, 2020 jointly organized by Professor Asima Chatterjee Foundation (PACF) with the University of Calcutta and Heritage Institute of Technology, Kolkata
- ii. Highly efficient base catalysis and sulphide oxidation reactions over new functionalized mesoporous polymers, Sk. Manirul Islam, P. Mondal, **Yasmin Saima**, K. Tuhina. *22nd National Symposium on Catalysis*, CSIR-CSMCRI, Bhavnagar, **2015**, 91.
- iii. A facile synthesis of chiral isoxazolines using 1,3 Dipolar Cycloaddition, **Yasmin Saima**, National Conference on Chemistry for better tomorrow-current trends and opportunity, 2-3rd December, **2014**, Sidhu KanhoBirsha University
- iv. A facile one-pot synthesis of 4,6-O-benzylidene-D-glycals, **Yasmin Saima**, UGC Sponsored National Seminar on Frontier in Chemistry, 4-5th December, **2013**, M.U.C. Women's College, Burdwan University
- v. Synthesis of highvalent Mn VI nanoparticles and development of their novel properties. Dilip K. Maiti, Dipanwita Roy, **Yasmin Saima** and Srikanta Samanta. *Nano India 2013*, 19th – 20th February **2013**, P-40, National Institute for Interdisciplinary Science & Technology (CSIR-NIIST), Thiruvananthapuram.
- vi. Fabrication of TMS₂MnO₄ nanoparticles and development of their mild oxidizing property. **Yasmin Saima**, Krishnanka S. Gayen and Dilip K. Maiti. IXth CRSI (Kolkata Chapter) Symposium on Chemical Research in the First Decade of 21st Century, 6th August **2011**, p-22, Vishwabharati, Shantiniketan.
- vii. Silver (I) triflate catalyzed stereoselective synthesis of sugar based highly functionalized pyrrolidines. **Yasmin Saima**, Nirbhik Chatterjee, Nabyendu Pramanik, Palash Pandit, Samiran Halder and Dilip K. Maiti. *International Conference on Structure and Dynamics: From Micro to Macro*, 14-16th December **2006**, p-79, University of Calcutta, Kolkata.
- viii. Metal triflate catalyzed synthesis of 1- and 3-O-Allyl-2-C-formyl Glycals: Novel synthons for synthesis of chiral heterocycles. Samiran Halder, Palash Pandit, Dipankar Dhara, **Yasmin Saima**, Nabyendu Pramanik and Dilip K. Maiti. *International Symposium on Current Perspective in Organic Chemistry*, 7-9th December **2006**, p-21, IACS, Kolkata.