Curriculum Vitae

1. **Name** **:Dr. YasminSaima**

2. **Present Position and Address**

Designation : Associate Professor

Department : Department of Chemistry

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

Address:

Office : Department of Chemistry, Vivekananda College, Madhyamgram

Residence : Block-A, Flat-10E; Ideal Regency, 46 Diamond Harbor Road, Kolkata-700063

Phone :+919433110011

E-mail : yasmin.saima2010@gmail.com

3. **Academic Credentials**

Board / University	Subject	Year	% Marks
WB Board of Secondary Education	Class-X	1988	79.7
WB Board of Higher Secondary Education	Class-XII (Science)	1990	78.0
Jadavpur University	B.Sc. (Chemistry)	1993	75.4
Jadavpur University	M.Sc. (Organic Chemistry)	1995	68.6
Calcutta University	Ph.D. (Organic Chemistry)	2013	**

Ph. D. Thesis title: ***Stereoselective Syntheses of Chiral Heterocycles*
Ph. D. Supervisor: Dr. D. K.Maiti, Professor, University of Calcutta

4. **Teaching Experience**

Nineteen (19) years teaching experience (as a full time faculty member) in B.ScHonors 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

5. Administrative Experience:

Head, Department of Chemistry : From September 2012 to March 2019

Secretary, Teacher's Council : 2016 – 2017

Committee Membership : Member, IQAC (2017 – March 2019)
: 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)

6. 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 poly-saccharides (as JRF/SRF qualifyingUGC-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 BenzylideneGlycals	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

7. Papers & Patents:

i. Fabrication of High-Valent Manganese Nanoparticles: Easy synthesis of Isoxazolines and Isoxazoles with excellent Regio- and Stereoselectivity, **Saima Yasmin**, Ghosh Tanmoy, MaitiRituparna, SenguptaTista, KhamuraiSaikat and MaitiDilip K. *NanoMatChemBioDev***2018,** *1*, 1-15

ii. Functionalized Mn^{VI}-nanoparticles: an advanced high-valent magnetic catalyst, SaikatKhamarui, **YasminSaima**,Radha M. Laha, Subhadeep Ghosh and Dilip K. Maiti.*Scientific Reports***2015,** *March*, 8636

iii. Efficient catalytic cyclizations of three and two imine assemblies: direct access to tetrahydroimidazo [1,5-*c*] imidazo-7-ones and imidazoles. **YasminSaima**, SaikatKhamarui, Krishnanka S. Gayen, PalashPandit and Dilip K. Maiti. *Chem. Commun.* **2012,** *48,* 6601-6603.

iv. Cu (0) nanoparticle catalyzed efficient reductive cleavage of isoxazoline, carbonyl azide and domino cyclization in water medium. Krishnanka S. Gayen, TistaSengupta, **YasminSaima**, Adita Das, Dilip K. Maiti and AtanuMitra. *Green Chem.* **2012**, *14*, 1589-1592.

v. Synthesis of glycal based chiral benzimidazoles by $VO(acac)_2 – CeCl_3$ combo catalyst and their self-aggregated nanostructured materials. Dilip K. Maiti, SamiranHalder, PalashPandit, NirbhikChatterjee, Dripta De Joarder, NabyenduPramanik, **YasminSaima**, AmarendraPatra and PrabirK.Maiti. *J.Org. Chem.* **2009,** *74*, 8086-8097.

vi. An antitumor pectic polysaccharide from *Feronialimonia.* **YasminSaima**, A.K.Das, K.K.Sarkar, A.K.Sen (Sr), P.Sur. *International Journal of Biological Macromolecules,* **2000,** *27*, 333-335.

vii. Patent obtained on "A process for the isolation of a carbohydrate fraction with potent antitumor activity from the fruits of *Feronialimonia*". **YasminSaima**, Asit Kumar Das, Pratima Sur and Ashis Kumar Sen (Sr.) **Patent No. NF-54/97 dated 1.4.1997**.

viii. Studies on enamides. Part-5: A novel pathway for photochemical reaction of N-1-Cyclohexenyl-N-Phenylarylamides. SomnathGhosh, Bidisha Nandi and **YasminSaima**. *Tetrahedron Letters,* **1996,** *37*, 3169-3170.

8. Conference Proceedings:

i. 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.

ii. Green Chemistry: Metal nanoparticles are outstanding catalyst in water medium which can reduce impact on environmental hazards. Krishnanka S. Gayen, Dipanwita Roy, SrikantaSamanta, **YasminSaima**, SaikatKhamarui 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. SaikatKhamarui, **YasminSaima**, Krishnanka S. Gayen, Dipanwita Roy, SrikantaSamanta and Dilip K. Maiti. *National Conference on Emerging Frontiers in Chemistry.* ISBN: 978-3-659-32996-8, **2013,** 5-7.

9. Posters Presented:

i. 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

ii. A facile one-pot synthesis of 4,6-O-benzylidine-D-glycals, **Yasmin** Saima, UGC Sponsored National Seminar on Frontier in Chemistry, 4-5th December, **2013**, M.U.C. Women's College, Burdwan University

iii. Synthesis of highvalentMn VI nanoparticles and development of their novel properties. Dilip K. Maiti, Dipanwita Roy, **YasminSaima** and SrikantaSamanta. *Nano India 2013*, 19th – 20th February **2013**,P-40, National Institute for Interdisciplinary Science & Technology (CSIR-NIIST), Thiruvananthapuram.

iv. Fabrication of TMS_2MnO_4 nanoparticles and development of their mild oxidizing property. **YasminSaima**, 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.

v. Silver (I) triflate catalyzed stereoselective synthesis of sugar based highly functionalized pyrrolidines. **YasminSaima**, NirbhikChatterjee, NabyenduPramanik, PalashPandit, SamiranHalder and Dilip K. Maiti. *International Conference on Structure and Dynamics: From Micro to Macro,* 15-17th December **2006**, p-79, University of Calcutta, Kolkata.

vi. Metal triflate catalyzed synthesis of 1- and 3-*O*-Allyl-2-*C*-formyl Glycals: Novel synthons for synthesis of chiral heterocycles. SamiranHalder, PalashPandit, DipankarDhara, **YasminSaima**,

NabyenduPramanik and Dilip K. Maiti. *International Symposium on Current Perspective in Organic Chemistry*, 7-9th December **2006**, p-21, IACS, Kolkata.