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| Title | Dr. | First Name | Satendra | Last Name | Singh | Photograph |
| Designation | Assistant Professor, Department of Biomedical Science | | | | |  |
| Address | C-148, Bainsla Bhawan, Amar Colony, East Gokalpur, Delhi, India 110094 | | | | | |
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| Educational Qualifications | | | | | | |
| Degree | Institution | | | | Year | |
| B.Sc | CCS University, Meerut | | | | 1999 | |
| M.Sc. | CCS University, Meerut | | | | 2001 | |
| M.Phil. | Department of Botany, University of Delhi, Delhi | | | | 2003 | |
| Ph.D | ACBR, University of Delhi, Delhi | | | | 2012 | |
| Career Profile | | | | | | |
| <ul style="list-style-type: none">➤ 2012 Post Doctoral Research Fellow, University of Kwazulu Natal, South Africa➤ 2013 Assitant Professor, Shivaji College, University of Delhi, Delhi | | | | | | |
| Administrative Assignments | | | | | | |
| <ul style="list-style-type: none">• Curriculum Development: Member (Co-convener) of the various subject-wise committees constituted by ACBR, University of Delhi for restructuring of choice-based credit system syllabus (LOCF) for B.Sc (Hons) Biomedical Science course at University of Delhi.• Convener/ Examiner in question papers setting of University of Delhi's undergraduate exams for various subjects of Biomedical Science• Evaluator for various subjects answer sheets• Member of the B.Sc. (Honors) Biomedical Science syllabus revision committee• Member of the college's Editorial Committee• Member of the college's Eco-club• Member of the Organizing committee of various workshops/ seminars held in the Department and College | | | | | | |
| Areas of Interest / Specialization | | | | | | |

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| Microbiology and Biochemistry |
| Subjects Taught |
| Medical Microbiology, Immunology, Techniques for Forensic Science, Medicinal Chemistry, Biochemistry, Cell Biology, Principles of Genetics |
| Research Guidance |
| <ul style="list-style-type: none"> ➤ Every year, during summer vacations AND College invite applications from enthusiastic students for research training and exposure under ELITE summer project scheme. ➤ Students learn and work on short project under the supervision of a faculty member. Since, first day of the college, I gave hands-on training to large number of undergraduate students and carried various projects on natural product extraction and assessment of their biological activity against microbes |
| Publications Profile |
| <ul style="list-style-type: none"> ➤ Pratibha Mehta Luthra, Satendra Singh (2010) Identification and optimization of tyrosine hydroxylase activity in <i>Mucuna pruriens</i> DC. var. <i>utilis</i>. <i>Planta</i>. 231: 1361-1369. ➤ Satendra Singh and Pratibha Mehta Luthra (2011) Identification, characterization and partial purification of acid phosphatase from cotyledons of <i>Psoralea corylifolia</i> (In <i>American journal of Plant Physiology</i>. 6 (4) 228-241; 2011). ➤ A Mazaahir Kidwai, <u>Roona Poddar*</u>, Saurav Bhardwaj, Satendra Singh and Pratibha Mehta Luthra (2010). Aqua mediated synthesis of 2-amino-6-benzothiazol-2-ylsulfanylchromenes and in vitro study, explanation of the Structure–Activity Relationships (SARs) as antibacterial agent, <i>European Journal of Medicinal Chemistry</i>. 45: 5031-5038. ➤ Azam F, Satendra Singh, Khokra S, Om P (2007) Synthesis of Schiff bases of naphtha[1,2-<i>d</i>]thiazol-2-amine and metal complexes of 2-(2'- hydroxy) benzylideneaminonaphthothiazole as potential antimicrobial agents. <i>J. Zhejiang Univ. Sci. B</i> 1673-1681. ➤ Baskaran P, Satendra Singh and J. Van Satden (2013) In vitro propagation, proscillaridin A production and antibacterial activity in <i>Drimia robusta</i>, in <i>Plant Cell and Tissue and Organ Culture</i>) (2013) 114:259–267 |

- Nisha Rathor, Amita Chandolia, Neeraj Kumar Saini, Rajesh Sinha, Rakesh Pathak, Kushal Garima, Satendra Singh, Mandira Varma-Basil, Mridula Bose (April 2013) An insight into the regulation of mce4 operon of *Mycobacterium tuberculosis*, J Tuberculosis 93 (4) 381-388.
- Satendra Singh, Manoj G. Kulkarnia and Johannes Van Stadena (2014) Biochemical changes associated with gibberellic acid-like activity of smoke-water, karrikinolide and vermicompost leachate during seedling development of *Phaseolus vulgaris* L. Seed Science Research 24 (01) 63-70.
- Mazaahir Kidwai, Arti Jain, Satendra Singh et al., 2014. An investigatory study of antibacterial activity of functional spirooxindoles. Indian Journal of Chemistry 53 B-399-411

BOOK CHAPTERS

- Pratibha Mehta Luthra, Rambir Singh, Rakesh Kumar, Jyotsna Singh, Satendra Singh and Rajesh Arora. *Curcuma longa*: a Traditional Herb as an Alternative Medicine. CAB International 2008. *Botanical Medicine in Clinical Practice* (eds R.R. Watson and V.R. Preedy)
- Pratibha Mehta Luthra, Satendra Singh, Jyotsna Singh, Rakesh Kumar and Rajesh Arora. Medicinal Prospects of *Mucuna pruriens*. CAB International 2008. *Botanical Medicine in Clinical Practice* (eds R.R. Watson and V.R. Preedy)

Conference/ Presentations/Workshops

- Participated in DBT Global Bio India Meet held on November 21-23, 2019, Aerocity, New Delhi
- Abstract submission and participation in National conference on Emerging Trends in Ayurvedic and Biomedical Sciences, February 19-20, 2020 at Bundelkhand University, Jhansi

Research Projects (Major Grants/Research Collaboration)

- Worked on “Proteomics and Molecular approach to evaluate the influence of potent antibacterial drug from Marula edible oil on pathogenic strain of *Bacillus subtilis*”. Satendra Singh and J Van Satden (UKZN)
- Biochemical changes associated with gibberellic acid like activity of smoke water, vermicompost and Karrikinolide on seed germination of *Phaseolus vulgaris*: A

proteomics and molecular approach

Satendra Singh, Manoj G Kulkarni and J. Van Staden (UKZN)

- To understand the molecular mechanism of protective role of karrikinolides in seedlings of *Phaseolus vulgaris* grown in the presence of cadmium and zinc.

Satendra Singh, Manoj G Kulkarni and J. Van Staden (UKZN)

- Synthesis of ar- turmarone and their analogues to study the molecular mechanism of antimicrobial activity. Satendra Singh and Jyotsna Singh (University of Delhi)

Awards and Distinctions

- Qualified National Eligibility Test (NET) conducted by Council of Scientific and Industrial Research, New Delhi, India 2015
- Young Scientist Award, Department of Science and Technology, Delhi. 2013
- Innovative Project Award from University of Delhi 2013
- Post-Doctoral Research Fellow, Research Center for Plant Growth and Development, School of Biological and Conservation Sciences, University of Kwazulu Natal, PMB, South Africa. 2012
- Senior Research Fellowship (SRF) by the Council of Scientific and Industrial Research, Pusa Road, Delhi, India. 2011
- Project Assistant in the University of Delhi funded Project. 2010
- Junior Research Fellowship (JRF) by National Testing Service, CIIL Mysore, India
- Junior Research Fellowship (JRF) by the University Grant Commission, New Delhi, India. 2005

Association With Professional Bodies

Other Activities