

## CURRICULUM – VITAE

**Name:** Dr. Pradeep Pratap Singh

### **Personal Information:**

Date of Birth: 22<sup>nd</sup> November, 1977

Citizenship: Indian

Present Position: Assistant Professor (Chemistry)

Official Address: Swami Shraddhanand College, University of Delhi, Delhi-110036.

Address for Correspondence: H. No. 198, Pocket-6, Sector-23, Ronini, Delhi-110085.

Mobile No.: 0-9811527214

E-mail address: singhp22oct@gmail.com

Date of Appointment in the College: 11<sup>th</sup> September, 2006

Total Teaching Experience:

- **Nine years** at Swami Shraddhanand College, University of Delhi, Delhi- 110036.
- Teaching graduate classes as “**Councillor**” at Indira Gandhi Open University (IGNOU) centre (Swami Shraddhanand College), since **June 2008** till date.

Native Place: Delhi

### **Education:**

| <b>Class/Degree</b> | <b>Year</b> | <b>University/Institute</b> | <b>Subjects</b>  |
|---------------------|-------------|-----------------------------|--|
| B.Sc                | 1999        | C.C.S. University           | Chemistry, Zoology, Botany   |
| M.Sc.               | 2001        | C.C.S. University           | Chemistry (Organic)  |
| M. Phil.            | 2003        | University of Delhi         | Chemistry (Organic)  |
| Ph. D               | 2008        | University of Delhi         | Chemistry (Organic)<br><b>Thesis Title:</b> Chemical studies of Biologically Active Heterocycles and related compounds |

➤ **Qualified CSIR-UGC NET (2005)**

Fellowship and Awards: NA

International /National Positions and/or Awards/ Fellowships: NA

List of Students Awarded Ph.D./M/Phil.: NA

List of Students Pursuing Ph.D./M.Phil.: NA

List if Students guided for /M.Tech./B.Tech/B.Sc./M.Sc./B.A./M.A. Projects etc.: NA

### List of students guided for Summer projects

1. Neeraj Yadav (BSc(P) Physical Science, SSN College), Aarti Pathak (BSc(H) Chemistry, Ramjas College)  
Supervised in **Inter-College Summer Project-2012**, Organised by Department of Chemistry, Swami Shraddhanand College, University of Delhi, June, **2012**.  
Title of the Project: Anthraquinone as antimalarials
2. Ayush Sharma (BSc(H) Microbiology, S.S.N. College), Anjali (BSc(H) Microbiology, SSN College)  
Supervised in **Summer Project-2013**, Organised by Department of Chemistry, Swami Shraddhanand College, University of Delhi, July, **2013**.  
Title of the Project: Synthesis of xanthenes
3. Vinay Gupta, Akshat Verma, Ashish Tiwari (BSc(H) Chemistry)  
Supervised in **Summer Project-2014**, Organised by Department of Chemistry, Swami Shraddhanand College, University of Delhi, July, **2014**.  
Title of the Project: Nanomaterials in waste water treatment

List of Students guided for Innovation Projects: NA

REVIEWER INTERNATIONAL/National JOURNALS: NA

Member International/National Journal editorial Board etc.: NA

Research Projects/ Innovation Projects Undertaken : NA

**Research Interest:** Bio-Organic Medicinal Chemistry, Nanotechnology

**Computer Literacy:** ChemDraw, Chems sketch, MS word, MS excel, MS powerpoint, Origin

**Contribution in International Conferences/Seminars/Workshops:**

**Poster Presented in International Symposia:**

1. Poster presented in Indo-Italian seminar entitled, "Synthesis of 10,10'-methylenebis(isoalloxazines) and their non covalent interactions", organized by Department of Chemistry, University of Delhi. 5-6<sup>th</sup> December, **2008**.
2. Poster presented in International symposia entitled "Supercritical CO<sub>2</sub> and hexane extraction of dyes from the roots and rhizomes of *Arnebia benthamii*", organized by Department of Chemistry, University of Delhi. 10-13<sup>th</sup> January, **2006**.
3. Poster presented in International Symposia entitled "Biomimetic oxidation of ricinine isolated from the leaves of *Ricinus communis* L", organized by Department of Chemistry, University of Delhi. 26-31<sup>st</sup> January, **2004**.

**Attended International Symposia**

1. Attended International Conference on "Interface between Chemistry and Environment (ICICE)" organized by Department of Chemistry, Ramjas College, University of Delhi, 13-14<sup>th</sup> December **2012**.
2. Attended International Conference on Green Chemistry organized by Department of Chemistry, University of Delhi and Royal Society of Chemistry (RSC), London, December, **2010**.
3. Attended International Conference on biodiversity, environment and sustainability challenges for future, organized by Swami Shraddhanad College, University of Delhi, 4-6<sup>th</sup> September, **2008**.  
Attended International Symposium on Ecology of biological invasions, organized by School of Environmental Studies, University of Delhi. 4-6<sup>th</sup> December, **2003**.

**Contribution in National Conferences Seminars/Workshops :**

**Poster Presented in National:**

1. Poster presented in The National Seminar on Green Chemistry and natural products, organized by Department of Chemistry, University of Delhi. 26-27<sup>th</sup> November, **2007**.
2. Poster presented in 6<sup>th</sup> Annual Symposium on frontiers in biomedical research, organized by Dr. B.R. Ambedkar Center for Biomedical Research, University of Delhi. 30<sup>th</sup> November -2<sup>nd</sup> December, **2006**.
3. Poster presented in the 41<sup>st</sup> annual convention of chemists (Indian chemical Society), organized by Department of Chemistry, University of Delhi. 23-27<sup>th</sup> December, **2004**.

**Attended National:**

1. Attended Conference on "Technical terminology and Science teaching, organized by Commission for Scientific and Technical Terminology, Ministry of Human Resource Development (MHRD), New Delhi on dated 18-19 September, **2016**.
2. Attended National Seminar on "Applications of analytical techniques in chemistry", organized by Kirorimal College, University of Delhi, 27-29<sup>th</sup> January, **2011**.
3. Attended National Seminar on "Applications of analytical techniques in chemistry", organized by Kirorimal College, University of Delhi, 21-22<sup>nd</sup> January, **2010**.

4. Attended Conference on new developments in rapeseed-mustard, organized by MRPC (Government recognized scientific & Industrial Research Organization), Delhi, 21<sup>st</sup> January, **2006**.
5. Attended National Seminar on "Relevance of Botany in the conversion and improvement of plants", organized by Department of Botany, University of Delhi. 8-9<sup>th</sup> February, **2006**.
6. Attended National Conference on advances in technologically important crystals, organized by Department of Physics and Astrophysics, University of Delhi. 12-14<sup>th</sup> October, **2006**.
7. Attended National Conference on "National Conference on Physico-Chemical studies of plant products". 25-26 December **1999**.

**LIST OF PUBLICATION (with title of the papers/articles, list of authors along with journal title, year of publication, ISSN/ISBN No. and Impact factor) :**

**Research Publications (INTERNATIONAL JOURNALS)**

1. Ambika, **Pradeep Pratap Singh**, S.M.S. Chauhan. Activity guided isolation of antioxidants from *Terminalia arjuna*. *Natural Product Research (Taylor & Francis)*, **2014**, 28, 760-763, Impact factor: 1.031; ISSN 1478-6419.
2. **Pradeep Pratap Singh**, Ambika and S.M.S. Chauhan. Activity guided isolation of antioxidants from the roots of *Rheum emodi*. *Natural Product Research (Taylor & Francis)*, **2013**, 27, 946-949, Impact factor: 1.031; ISSN 1478-6419.
3. **Pradeep Pratap Singh**, Ambika and Shive Murat Singh Chauhan. Chemoselective epoxidation of substrate containing both electron rich and electron deficient olefins catalyzed by meso-tetraarylporphyrin iron(III) chlorides in imidazolium ionic liquids. *New Journal of Chemistry (Royal Society of Chemistry)*, **2012**, 36, 650-655, Impact factor: 2.966; ISSN 1144-0546.
4. **Pradeep Pratap Singh**, Ambika and Shive Murat Singh Chauhan. Activity guided isolation of antioxidant xanthenes from *Swertia chirayita* (Roxb.) H. Karsten (Gentianaceae). *Natural Product Research (Taylor & Francis)*, **2011**, 26, 1682-1686, Impact factor: 1.031; ISSN 1478-6419.
5. **Pradeep Pratap Singh**, Ambika, S.M.S. Chauhan. Activity guided isolation of antioxidants from the leaves of *Ricinus communis L.* *Food Chemistry (Elsevier)*, **2009**, 114, 1069-1072, Impact factor: 3.334; ISSN 0308-8146.
6. Ambika, **Pradeep Pratap Singh**, S.M.S. Chauhan. Chemoselective esterification of phenolic acids in the presence of sodium bicarbonate in ionic liquids. *Synthetic Communication (Taylor & Francis)*, **2008**, 38, 928-936, Impact factor: 1.060; ISSN 1532-2432.

**List of Books/Monographs Published (along with the Publisher's name and ISBN No. and year of Publication): NA**

**Articles in Edited Books/Conference Proceedings/Book Chapter Published (along with title of the book, publisher and ISBN No and year of publication).**

**Chapters in “INTERNATIONAL BOOKS”**

1. **Pradeep Pratap Singh**, Ambika. Bentonites: A versatile clay, in book entitled Bentonite: Characteristics, Uses and implications for the environment, published by **Nova Publishers, USA, 2015**, ISBN: 978-1-63482-187-2.
2. **Pradeep Pratap Singh**, Ambika. *Chapter 6*, Recent advances of multifunctional nanomedicines, **2013**, 163-184, published by **John Wiley & Sons, Inc. Hoboken, New Jersey, USA**, ISBN No: 9781118414095.
3. Ambika, **Pradeep Pratap Singh**, *Chapter*, Polymeric Nanospheres in Organic Waste Removal in book entitled "Smart Materials for Waste Water Application" **2015** published by **John Wiley & Sons, Inc. Hoboken, New Jersey, USA**, (In Press).
4. Ambika, **Pradeep Pratap Singh**, *Chapter*, Nanomaterials: Versatile Tools for Water Remediation, in the Book entitled "Nanomaterials for water remediation", **2015** published by **Smithers RAPRA Publisher, UK** (In Press).
5. **Pradeep Pratap Singh**, Ambika, *Chapter*, Ceramic Materials Book to be published by **Pan Stanford Publisher, Singapore** (Abstract accepted).

**Chapters in “NATIONAL BOOKS”**

1. **Pradeep Pratap Singh**, Ambika. *Chapter 3*, Ionic liquids: Green solvents for the future, in the book entitled 'Ecodevelopment: Glocal Perspectives', **2011**, 44-60, published by '**Research India Press**' New Delhi, ISBN No: 9788189131463.
2. **Pradeep Pratap Singh**, Ambika. *Chapter 7*: Antioxidants: The free radical scavengers, in the book entitled "Progress in environmental management, Indian experiences". 2014, 100-120, publishing by '**Research India Press**' New Delhi, ISBN No: 9788189131913.
3. S.M.S. Chauhan, Ambika, T. Bisht, **Pradeep Pratap Singh**. *Chapter 20*, "Bioactive compounds from Himalayan medicinal plants in the book entitled 'Herbal Drugs: A twenty first century perspective', **2005**, 190-199, published by '**Jaypee Brothers Medical Publishers (P) Ltd.**' New Delhi, ISBN No: 8180618501.

**Journal Proceedings/ Journals Edited (with title of the journal, year of publication etc.):**  
**NA**

**Popular articles published / Articles published in newspapers etc.: NA**

**Professional Association and Membership of Learned Bodies:**

- Life member of "**Green Chemistry Network Centre**" (GCNC), University of Delhi.
- Life member (LMT- 2011/23) of "**Indian Society of Analytical Scientists**" (ISAS), Analytical Chemistry Division, BARC, Trombay, Mumbai-400085, Delhi Chapter.

## **Any Other information:**

### **Orientation/Refresher course**

- Attended 21 day “**Refresher course**” organized by CPDHE and Institute of Life Long Learning (ILLL), University of Delhi, from 26<sup>th</sup> December **2012** to 15<sup>th</sup> January **2013**.
- Attended 21 day “**Refresher course**” organized by CPDHE and Institute of Life Long Learning (ILLL), University of Delhi, from 14<sup>th</sup> February to 8<sup>th</sup> March **2011**.
- Attended one month “**Orientation course**” organized by CPDHE and Institute of Life Long Learning (ILLL), University of Delhi, from 29<sup>th</sup> February to 31<sup>st</sup> March **2009**.
- Attended Orientation Programme for academic counselors by Prof. B.N. Koul organized by regional centre, IGNOU, Delhi-110002 on 19<sup>th</sup> October, **2013**.

### **Edited "MAGAZINE"**

“**Chief Editor**” of the first edition of magazine “**CHEMICA: The Chemistry Magazine**” **2013**, Published by Chemical Society, Department of Chemistry, Swami Shraddhanand College, University of Delhi.

### **Educational Development Programmes Organized**

- Organized **Chemistry Quiz-2013**, Department of Chemistry, Swami Shraddhanand College, University of Delhi, March, **2013**.
- Organized **College Book Fair**, in the year **2014**.

### **Achievements**

- Qualified entrance test of **Combined Pre Medical Test (C.P.M.T.)** and selected for **Bechelor of Dental Surgery (B.D.S)**, **1998**.
- Qualified entrance test for M.Phil. Chemistry, and secured **3<sup>rd</sup> rank** in the exam in **IIT Roorkee** for the academic session **2002-2003**.

### **Contribution in “COLLEGE ADMINISTRATION”**

- “**Teacher Incharge**” of the Department of Chemistry, Swami Shraddhanand College, University of Delhi, for the academic session **2013-2014**.
- Deputy suprintendent during the theory Examinations of University of Delhi in the College in the session 2013-2014.

- Superintendent during the University Chemistry Practical Examinations in the College in the session 2013-2014.
- Convenor of the 'Computer Committee' in the year 2015-2016.
- Member of the 'Varification Committee' in the year 2015-2016.
- Convenor of the 'Library Committee' in the year 2014-2015.
- Member of the 'Library Automation Committee' in the year 2011-2012.
- Convenor of the 'Computer Committee' in the year 2014-2015.
- Member of the 'Library Automation Committee' in the year 2014-2015.
- Convenor of the 'Canteen Committee' in the year 2013-2014.
- Member of the 'Computer Committee' in the year 2013-2014.
- Member of the 'Library Committee' in the year 2012-2013.
- Member of the 'Gardening Committee' in the year 2012-2013.
- Member of the 'Varification Committee' in the year 2011-2012.
- Member of the 'Library Committee' in the year 2011-2012.
- Member of the 'Varification Committee' in the year 2010-2011.
- Member of the 'Auditorium Committee' in the year 2008-2009.
- Member of the 'Transport Committee' in the year 2007-2008.

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