

## **Dr. Mishu Singh**

Head of the Department,  
Department of Chemistry,  
Maharana Pratap Govt. P. G. College,  
Hardoi (UP)

### **Mailing Address:**

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Lucknow-226012, UP

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mishusingh17@outlook.com

### **Professional Profile:**

**Research Supervisor:** Sub: Applied Chemistry/ Environmental science  
Chhatrapati Shahu Ji Maharaj University, Kanpur

**Teaching Experience:**      **UG Classes:** 13 years  
   **PG Classes:** 8 years

**Current Academic Position:** Head of the Department,  
Department of Chemistry,  
Maharana Pratap Govt P.G. College, Hardoi

### **Administrative Profile:**

Coordinator/ member of college administrative committee for the following:

1. Member, project monitoring unit under RUSA Plan
2. Co- Editor of proceeding
1. UGC/NAAC/ IQAC committee
2. Admission committee For B.sc/ M.sc
3. Anti-ragging committee
4. Computer committee
5. Cultural/ Events( Seminars/workshops) organizing committee
6. Career counseling committee
7. College magazine committee
8. Disaster management Committee
9. Scholarship committee

10. Sports committee
11. Website Committee

### **Professional Societies Membership:**

1. Life membership of Indian Chemical Society.
2. Life membership of Chemical Research Society of India
3. Life membership of International Research Journal: Periodic Research, ISSN No. 2231-0045
4. Life membership of International Journal: Asian Resonance, ISSN No. 0976- 8602
5. Life membership of The Indian Science Congress Association.

### **Current Editorial Duties:**

1. Member of the Editorial Board of the international journal, "*Asian Resonance*".
2. Member of the Editorial Board of the international journal, "*Periodic Research*".
3. Member of the Editorial Board of the international journal "*International Journal of Applied and Universal research*".

### **Seminar Organized:**

1. Member organizing committee in national seminar on "Poverty and Economic Development", (3,14 March 2011), Maharana Pratap Govt P.G. College, Hardoi.
2. Member organising committee in national seminar on "Bio resource Management and Global Sustainability", (17, 18 Dec-2011), Maharana Pratap Govt P.G. College, Hardoi.
3. Organizing Secretary, National Seminar on "Emerging trends in Science and Technology in 21<sup>st</sup> Century ", 25-26 Feb 2014, Maharana Pratap Govt P.G. College, Hardoi,

### **Education:**

- **Ph.D.:** Applied Chemistry (2003)  
**Topic:** Studies on Anaerobic Biological Treatment of Phenolic Industrial Wastewater  
**Institute:** Harcourt Butler Technological Institute, Kanpur
- **B.Ed.:** Indira Gandhi National Open University, New Delhi (2008)

### **Diploma:**

1. "**Intellectual Property Rights**", Indian Institute of Law, New Delhi (2015)
2. "**Environmental Management & ISO 14000/14001**", NILEM, Chennai (2016)
3. "**Post Graduate Diploma in Higher Education**", IGNOU, Pursuing

### **Scholarly and Professional Academic Activities:**

1. **Orientation Course:** Academic Staff College, Lucknow University, Lucknow, Dec-2009
2. **Summer School:** Academic Staff College, Allahabad University, July- 2012
3. **Refresher Course:** In “Chemistry”, Academic Staff College, Lucknow University, Lucknow, Feb-2015
4. **Refresher Course:** In “Environmental Science”, Academic Staff College, Lucknow University, Lucknow, Jan-2016

### **Papers published in Seminar Proceedings:**

1. *“Performance Evaluation of Anaerobic Biological Treatment of Phenolic Industrial Wastewater in Single Stage Fixed Bed Bio- Reactor”*  
Proceeding of a national seminar on “Emerging trends in Science and Technology in 21<sup>st</sup> Century” (25, 26 Feb 2014) at Maharana Pratap Govt P.G. College, Hardoi. UP

### **Chapter in books:**

1. *“Gandhian Philosophy on Economy: Relevance for Contemporary India”*, A chapter published in book titled “Karishamai Neta Gandhi Ka Chintan”, Publisher: Social Research Foundation, 2016, ISBN: 978-81-921665-5-1, pp 45-57

### **Publications:**

1. *Studies On Effect Of Change In Temperature On Performance Characteristics On Degradation Of Synthetic Phenolic Wastewater In Single Stage Attached Film Fixed Bed Bioreactor*, Research Times, Vol-II, issue-I, May-2011, pp-55-59
2. *Nanotechnology: The Latest Technology In Treatment Of Phenolic Industrial Waste Water*, Asian Resonance, Vol-I, issue I, Jan 2012, pp 05-10
3. *Studies On Effect Of Change In Temperature On Performance Characteristics On Degradation Of Synthetic Phenolic Wastewater In Single Stage Attached Film Fixed Bed Bioreactor Using Foam Cubes As Packing Material*, World Journal of Applied Science and Research, Vol-IV, Special Issue-3, 2014, pp-56-66. ( Pihani Journal)
4. *Performance Evaluation Of Anaerobic Biodegradation Of Synthetic Phenolic Waste Water In Single Stage Fixed Bed Bio- Reactor*, International Journal of Science and Research, Volume 4 (11), November 2015, pp 1909-1913.
5. *Effect of Physical Parameters on Performance Characteristics on Degradation of Synthetic Phenolic Waster Water in Single Stage Attached Film Fixed Bed Bioreactor*, Periodic Research, Vol.-IV, Issue-II, November-2015, pp 45-52.

6. *Technical Education And Employment Opportunities In Rural Perspective*, International Journal of Social Science and Humanities Research, Vol. 3( 4), October - December 2015, pp 407-409
7. *Performance Characteristics of Anaerobic Biodegradation of Synthetic Phenolic Industrial Wastewater*, Journal of Philippines of Institutions for Research (JPAIR) Multidisciplinary Research, Vol 2 No 1, October 2015, pp 17-30.
8. *Integration Of Information Communication Technologies In Education: Potential And Challenges*, International Journal of Applied and Universal Research Volume 2, Issue VI, December 2015, pp 01-04
9. *Learning Chemistry at a Distance in India: Issues and Challenges*, The International Journal Of Science & Technoledge, Vol 4 Issue 3 March, 2016, pp 26-27.
10. *Biodegradation of Synthetic Phenolic Industrial Waste Water: Batch Study*, International Journal of Innovative Research And Development, Vol 5 Issue 10, Sep 2016, pp 299-303.
11. *Metal Ion Inhibitors and Other Inorganic Toxicants in Anaerobic Biological Treatment Process of Industrial Effluents: A Critical Review*, International Journal of Science and Research (IJSR), Volume 6 Issue 5, May 2017, PP 2353-2363.

## **Seminars:**

### **National Seminar:**

1. Integrated Waste Management (15,16 Sep-1999), Harcourt Butler Technological Institute, CSJM University, Kanpur.  
Paper presented Entitled: Anaerobic Biological Treatment of Industrial Effluents
2. Recent trends in Chemistry (5-6 Oct -2001), DAV College, Department of Chemistry, CSJM University, Kanpur. (Attended)
3. Global Warming: Its Impact on Environment, society and Politics (27, 28 Jan-2008), S.M.J.M. (PG) College, Haridwar. Uttarakhand.  
Paper presented Entitled: Global Warming: A Global Disaster.
4. New Trends in Green Chemistry (14, 15 Dec-2010), DAV College, Department of Chemistry, CSJM University Kanpur. (Attended)
5. Environmental Education: Green Teacher (2,3 Nov-2010), D.N.P.G College Gorakhpur.  
Paper presented Entitled: Science and Technology: Owe an Apology to Natural Resources.

- 6.** Distant Education, Social Obligation and Media (14 March 2011), U.P. Rajarshi Tandon Open University, Allahabad.  
Paper presented Entitled: Role of Media and ICT in Present Scenario.
- 7.** Poverty and Economic Development (3,14 March 2011), M.P.G.P.G. College Hardoi  
Paper presented Entitled: Technical Education and Employment in Rural Perspective.
- 8.** Bioresource Management and Global Sustainability (17, 18 Dec-2011), M.P.G.P.G. College, Hardoi.  
Paper presented Entitled: An Emerging Technology For Treatment Of Industrial Effluent
- 9.** Environment Health: Challenges and Management(20, 21 jan-2012), Pt. D. D. U Govt Girls College, Lucknow  
Paper presented Entitled: Studies On Anaerobic Biological Treatment of Highly Concentrated Phenolic Industrial Waste Water.
- 10.** Natural Resources and Environment (13, 14 Oct-2012), Chinmaya Degree College, BHEL, Haridwar, Uttarakhand  
Paper presented Entitled: Impact of Technology on Natural Resources and Environmental Degradation.
- 11.** Resource Management & its Sustainable Use ( 22, 23, March-2013), Pt Lalit Mohan Sharma Govt. P G College, Rishikesh (Dehradun) Uttarakhand. (Attended)
- 12.** Science Terminology in Higher Education: application and Importance ( 10, 11 December-2013) D.S. N College, Unnao. (Attended)
- 13.** Challenges & Road Ahead: A Macro- Cosmic Analysis of Sustainable Development ( 01-02 Feb 2014), V.R.A.L Govt Girls Degree College, Bareilly, UP.  
Paper presented Entitled: Sustainable Development for Future Generation: A Global Approach.
- 14.** Role of ICT in quality Improvement In Higher Education and Research (22, 23 Feb, 2014), Govt Degree College, Pihani. UP  
Paper presented Entitled: Present Scenario of Higher Education System in India.
- 15.** Emerging Trends in Science and Technology in 21<sup>st</sup> Century ( 25, 26 Feb 2014) Maharana Pratap Govt P.G. College, Hardoi. UP  
Paper presented Entitled: Performance Evaluation of Anaerobic Biological Treatment of Phenolic Industrial Wastewater in Single Stage Fixed Bed Bio- Reactor.

16. Violence Against Women: Role of Academia, Media and Social Activists in Creating Awareness (8, 9 Dec 2014), Awadh Girl's Degree College, Lucknow, UP  
Paper Presented Entitled: Violence Against Women: A Curse to The society.
17. Gender Violence in India: Emerging Perspective and Issues, ( 20, 21 Sep 2015), Govt Girls P.G. College, Bindki, Fatehpur, UP  
Paper Presented Entitled: Women Empowerment in Present Indian Scenario: A Burning Issues
18. Need For Value Education In Knowledge Of Students For Enhancing Employability Skills: IGNOU viable options, (25 Nov 2015), Maharana Pratap Govt P.G. College, Hardoi. UP. (Attended)
19. Potential Of Teaching: ICT Integration In Classroom (27, 28 Nov 2105), S S K Girls Degree College, Allahabad, UP  
Paper Presented Entitled: Integration Of Information Communication Technology In Education: Potential And Challenges
20. Swachh Bharat Campaign 2014, Administrative perspective Issues and Challenges (4, 5 Jan 2016), Govt Girls P.G. College, Bindki, Fatehpur, UP  
Paper Presented Entitled: Solid Waste Management: Practices and Challenges.
21. Role of Agriculture in The Development of Rural India: Its Challenges and Possibilities in 21<sup>st</sup> Century (19,20 Feb 2016), Govt Degree College, Pihani, Hardoi, UP  
Paper Presented Entitled: Health Care Issues For Rural Population: A Lack Between Need And The Feed
19. NAAC Assessment & Accreditation- Issues, Challenges and opportunities (December 02, 2016), Chhatrapati Shahu Ji Maharaj University, Kanpur. (Attended)

### **International Seminar**

1. The Status and Trends of Value education in Various Subjects Regarding Globalization, (23, 24 Nov-2011), M.S.S.D College Allahabad.  
Paper presented Entitled: Relevance of Value Education in the Context of Globalization.
2. Sources of Planet Energy: Environmental & Disaster Science: Challenges And Strategies ( SPEEDS-2014), (01,02 Nov-2014), School Of Management Studies, Lucknow. (Attended)

### **Conferences:**

#### **International Conference:**

1. Nanosciences and Nanotechnology-2013 (18,19 Nov-2013) (ICCN-2013) Babasaheb Bhimrao Ambedkar University, Lucknow, International Conference
2. Mitigating Climate Change With Special Reference to Developing Countries (28-30 March 2014) Dr. Ram Manohar Lohiya National Law University, Lucknow.  
Paper presented Entitled: Climate Change, Negotiations & Future Ahead

**National Conference:**

1. Microbes Promoting Crop Health, Productivity & Sustainability ( 26, 27 Oct-2013), CSIR- Central Institute of Medical and aromatic Plants ( CIMAP), CSIR- National Botanical Research Institute (NBRI), Lucknow, Zonal meeting of Indian Phytopathological Society (MEZ) & National Conference.
2. Thermodynamics of Chemical, Biological and Environmental Systems-2013 ( 25, 26 Nov-2013) Babasaheb Bhimrao Ambedkar University, Lucknow.

**Workshop:**

1. Role of Home science in the Developmental Activities of Adolescents Under Changing Scenario (13, 14, 15 Oct-2013), M.S.S.D College Allahabad  
Delivered a Lecture Entitled: Developmental changes in Adolescent & Sexual Orientation
2. Shikha and Swastha ( 01-07, Jan-2014), Department of B.Ed, M.P.G.P.G Collge, Hardoi  
Delivered a Lecture Entitled: Health, Hygiene, Fitness, and Exercise
3. Intellectual Property Management & Agriculture( 22-23 Jan-2014), UP Council of Agricultural research, Lucknow.
4. WORKSHOP OF RUSA 26 MAY 2017 AT RML

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