

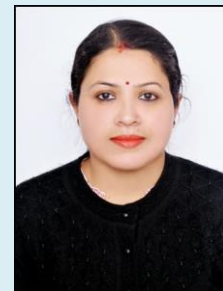
DR APRANA SINGH

Assistant Professor, Environmental Biology

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EXPERIENCE* 16 Years

WORK HISTORY*

SUMMARY OF SKILLS*

~ Air Quality Monitoring

~ Water Quality Monitoring

~ MSW Expert

PROJECT EXPERIENCE*

~ December, 2006 to December, 2008

ACADEMIC QUALIFICATION*

STUDY EMPHASIZED SPECIALLY*

OBJECTIVE

To build my career as a skilled environmental professional and seek new roles that offer opportunities to learn and develop my key teaching, training, learning & research skills.

July 2006-Nov. 2006	APS Rewa [Madhya Pradesh]
2007-08	IPST – MGCGV Chitrakoot Satna [MP]
Jan.2009-Aug. 2011	Rajeev Gandhi College, Satna [MP]
Sep. 2011 to till date	APS Rewa [Madhya Pradesh]

- Excellent academic records and experience in teaching environmental biology and science
- Outstanding experience of assisting seniors professors and mentoring students
- Complete knowledge of the parameters used in calculating parameters related to air and water pollution
- Skilled in teaching students of M.Sc and M.Phil with practical examples
- Ability to prepare syllabus, deliver lecture and hold group conversation on related-topic with students
- Demonstrated research experience backed with dissertation and thesis

❖ JUNIOR RESEARCH FELLOW (JRF)

Project title : Basin-Sub basin Inventory of water pollution, The Mandakini basin Chitrakoot (Sponsored by CPCB New Delhi), MGCG University Chitrakoot Satna [M.P] - 485334

❖ Ph.D. (2010)	Environmental Sc. – MGCG Chitrakoot Satna [M.P]
❖ M.Phil. (2006)	Environmental Sc. – A.P.S. University Rewa [M.P]
❖ M.Sc. (2005)	Environmental Sc. – A.P.S. University Rewa [M.P]
❖ B.Sc. (2003)	Biology – A.P.S. University Rewa [M.P]
❖ Intermediate (2000)	Madhya Pradesh Board [M.P]
❖ High School (1998)	Madhya Pradesh Board [M.P]

River Mandakini (Life of Chitrakoot), Satna, Madhya Pradesh - 485334

Water Sampling & Analysis, Community Campaign & Social Awareness to stop mixing Discharge Water and Waste (MSW & Floral Waste)

Quantization, Characterization & Management of MSW (Chitrakoot-UP & MP)

EXPERTISE*

- + Scanning Electron Microscope : Karl Zeiss – Evo Series, United Kingdom
- + Air Quality Monitoring PM 2.5 and PM 10
- + Solid Waste & E-Waste Management, Water Quality Analysis & Monitoring

ADDITIONAL RESPONSIBILITIES

- + NSS & AS Examination Cell – APSU Rewa MP
- + Adviser – Uddeshya Infotech (UP), Network Admin – UDRC (MP), India

ACADEMIC ACHIEVEMENTS*

+ Paper Published	30 (Journals + Proceedings)
+ Conferences	35 (National + International)
+ Book Chapters	08
+ Manuals	03
+ Awards	02 (National International)
+ FDP	09
+ Invited Lectures	12 (National + International)
+ Radio Talk	03
+ Resource Person	04 (National + International)
+ Member in Professional Bodies	03 (National + International)

PERSONAL INFORMATION*

Father's Name	Shri Y.P Singh
Date of Birth	Jan. 05, 1983
Permanent Address	Indira Nagar Rewa [M.P]
Strength	Time management, Positive Attitude, Hardworking & Honesty, Creative thinking
Marital Status	Married

REFERENCES*

- Prof Bharat Mishra (Vice-Chancellor), MGCG University Chitrakoot Satna [MP]**
Dr. R.M. Mishra (Ex. Vice Chancellor), A.P.S University Rewa (M.P)
Dr. U.K.S. Chauhan (Ex. HOD, Env. Science), A.P.S University Rewa (M.P)

IMPORTANT ACADEMIC HIGHLIGHTS

❖ AWARDS AND FELLOSHIP

Sl.No.	Award	Name and Place of Institution	Date
1	Environmental Protection	Institute of Social Development Fatehpur, Uttar Pradesh	March 28, 2017
2	Environmental Protection Award	IJART United Arab Emirates	Dec 12, 2019
3	UDRN Fellowship	Universe Digital Resource Centre Net., India's Chapter	Jan 18, 2022

❖ IMPORTANT RESEARCH ARTICLE

SN	Title of the Research Article/ Paper (s)	Name of Journal	Author or Co- Author	Name of Pub.	Publication Details	Referred or Non Referred	ISBN/ ISSN No.	Level
1	Electronic Waste Gen. & Its Mgt in India	Vindhya Bharati	Main Author	APSU Rewa MP	Dec 03 Vol.01 (23)	Referred	0976- 9986	National
2	Study of Waste Mgt of Municipal Corporation & Associated Risks and Treatment during Collection	Vindhya Bharati	Co- Author	APSU Rewa MP	Dec 03, No 23, Vol.01	Referred	0976- 9986	National
3	Quan & Qual Char Solid Waste Gen in Chitrakoot, Their Mgt & Impacts (Comp Study of Karwi, Sitapur & Ckt Nagar Panchayat)	Env. Scie & Engg	Main Author	CSIR- NEERI Nagpur India	2014 Vol 56(1) p.115-122	Referred	0367- 827	National
4	Quan & Qual Char Solid Waste Gen in Chitrakoot, Karwi, UP & Their Mgt	I.J of Env. Protection	Main Author	Kalpna Corp Varansi	2012 Vol 32(2) pp.133	Referred	0253- 7141	National
5	Generated Household & Temple Waste in Ckt Their Mgt & Impact in River Mandakini (UP)	I.J of Env. Prot	Main Author	Kalpna Corp Varansi	2011 Vol 31(6) pp.457	Referred	0253- 7141	National
6	Generated Household & Temple Waste in Ckt, A Pilgrimage Point in India, Their Mgt & Impact in River Mandakini	Int Gen of Sc & Tech	Main Author	India	2011 Vol. 04 No.(7) pp.750- 758	Referred	0974- 6846	National
7	Renewable Energy and Sustainable Rural Development	Int J. of Geo Earth & Env Sci	Main Author	India	2011 vol.1 No(1) pp.68-72,	Referred	2277- 2081	National
8	Internet Enabled DSS & Solid Waste Management for Rural India : A Case of Chitrakoot	Journal of Comm Studies	Main Author	India	2012, Vol. 30, pp 750-758.	Referred	0974- 6846	National
9	Impact of Social Capital in Educational Institutions,	Res.J. of Samanub huti,JHRU	Main Author	JRHU Chitrako ot (UP)	2011, pp.267- 270.	Referred	2229 5771	National
10	Impact of Info & Comm.Tech on Climatic Changes	Journal of Comm Studies	Main Author	India	2010, Vol, 30, 106-112	Referred	---	Nat
11	Monitoring of Well Water Quality around Rajaula Village, Chitrakoot, Satna-A Case Study	Indian J. Environ Protec	Co- Author	India	2009, Vol.4(7) ,pp.750	Referred	2229 5771	Nat

12	Assessment of Ground Water Quality around Kamadgiri Parikrama Chitrakoot, Satna – A Case Stud	J. of Env Sci & Engg,	Co-Author	India	2009 Vol-7(3) pp. 4-11	Referred	---	Nat
13	Rural Community and Mobile Based Kiosk	J. of Comm Studies	Co-Author	India	Vol. XXVII-1. pp. 75-79.	Referred	---	Nat

❖ POPULAR BOOK CHAPTERS

Sl. No	Title of the Chapter (s)	Author or Co-author	Name of Publisher	Month & year of Publication	Refereed or Non Refereed	ISBN/ISSN No.
1.	Impact of Social Lockdown on Env due to Covid – 19 in India	Main Author	Uddeshya Pub Allad	April 2022	Refereed Book	978-93-5620-168-2
2.	Quan. & Qual. Char. of Domestic & Temple Waste of Chitrakoot Nagar Panchayat, Chitrakoot Satna (MP)	Main Author	DDUKK BHU	2018	Refereed Book	978-93-86608-51-2
3.	Impact of Domestic Violence against Women in India	Main Author	Madhav Publication	Vol.1, 2009 pp.362-367	Refereed Book	978-81-907891-2-7
4.	Knowledge Management in Web-Based Learning	Co-Author	ECC Allahabad	March 2009 pp.13-15	Refereed Book	978-93-80043-12-8
5.	Solid Waste Mgt Systems & Community Participation in Chitrakoot, Satna MP	Main Author	Gaytri Pub	2011 pp 348-359	Refereed Book	978-81-87364-44-3
6.	Current Status of E-Waste, their Impact and Management	Main Author	Uddeshya Publication	----	Refereed Book	----

❖ FACULTY DEVELOPMENT PROGRAM

S.No	Title/Subject of FDP attended	Principal Organizer	Date	Duration
1	Deep learning and applications	NIT Patna-Online	27-31 May 2019	05 Days
2	Adv in Signal Processing & Optimization Techniques	NIT Patna-Online	03-07 June 2019	05 Days
3	Intro to Programming: A Pedagogical Approach	NIT Patna-Online	17-June-2019	05 Days
4	Python Programming with Industry perspective	NIT Patna-Online	02-06 Dec, 2019	05 Days
5	Robotics & AI	NIT Patna-Online	24-28 June-2019	05 Days
6	Deep Learning and Applications	NIT Patna-Online	09-13 Dec 2019	05 Days
7	AI & Machine Learning	NIT Patna-Online	23-27 Dec 2019	05 Days
8	ICTTools for Teaching, Learning Process & Institutes	NIT Patna-Online	13-17 Jan 2020	05 Days
9	ICT in Teaching & Learning for Rural Development	MGCGV Chitrakoot	13-22 May, 2019	10 Days

Sl No	NATIONAL SEMINAR
1	Quantitative and Qualitative Characterization of Domestic and Temple Waste of Chitrakoot Nagar Panchayat : Sustainable Agriculture for Food Security and Better Environment, Dated 24 March 2018, DDUKK, BHU
2	Role of New Technologies in Conservation of Environment : School of Environmental Biology University Rewa, March 23-24, 2012
3	Molecular and Microbiological Techniques and Intercollegiate Competition, Centre for Biotechnology Studies, APS University Rewa, 26-28 February, 2018
4	Causing Stress on Natural Ecosystems by Human Activities : Toxicological Effect on Biodiversity & Natural Resources Resources – Causing Change in the Environmental Scenario, Deptt. of Botany, Govt Girls PG College, Rewa, 27-28, March 2017 MP
5	Workshop on Genomics and Bioinformatics : Faculty of Life Science, AKS University, Satna MP – 485001, Dated 28 Nov. to 04 Dec. 2013

6	<i>Recent Trends in Microbial Biodiversity Research : Faculty of Life Science, AKS University, Satna MP – 485001, Dated 28 Nov., 2013</i>
7	<i>Role of Genetically, Engineered Micro-Organism in Crop Improvement : School of Environmental Biology APS University Rewa, Dated 12 April 2013</i>
8	<i>Teaching & Learning of Devotional Education using ICT, National Seminar on Madhyakaleen Itihaas men Bhakti Aandolan aur Vartmaan Sanskritik Chunautiyan, Feb.26-27, 2010, Mau, Chitrakoot Uttar Pradesh</i>
9	<i>Rural Women and Environmental Management with Special Reference to District Fatehpur, U.P., Proceedings of the National Seminar on Global Environmental Issues and Climate Change, pp. 22, Nov 9-10, 2010, MCM DAV College of Women, Chandigarh</i>
10	<i>Quantitative and Qualitative Characterization of Solid Wastes Generated in Chitrakoot Nagar Panchayat & Their:Management: Seventeenth National Symposium on Environment. Pp.269- May 13-15, 2010, IIT Kanpur</i>
11	<i>Web Based Expert System and Agricultural Productivity : National Conference on Advances and Trends in Web Based Computing (ATWBC) pp.70- March 28-29, 2010 Varansi, UP</i>
12	<i>Web Enabled Decision Support System for Assessment of Water Quality of River Mandakini : National Conference on Advances and Trends in Web Based Computing (ATWBC), pp.77- March 28-29,2010 Varanasi</i>
13	<i>Indian Water Works Association : Water Vision 2030, 24-25 Dec. 2008 Nagpur</i>
14	<i>Assessment of Groundwater Quality of Kamadgiri Chitrakoot”: A National seminar on Water Vision 2030, Dec. 24-25, 2008, Nagpur</i>
15	<i>“Preparation of Antifungal Drug Employing Local Medicinal Plants”: 10th Indian Agricultural Scientist And Former Congress, pp.35, Feb 16-17 2008, at Allahabad.</i>
16	<i>“Development of Natural and Herbal Hair dye employing in Expensive Medicinal plants”: 10th Indian Agricultural scientist and former congress (presented & published) pp.39, Feb 16-17, 2008 at Allahabad</i>
17	<i>Solid Waste Problem and Management in Chitrakoot: A Case Study”- Protection of environment in states of India (presented & published), Jan 12-13, pp.15 at Damoh</i>
19	<i>Vaigyanik Tatha Takneek Shabdawalee Ayog : MHRD, 27-28, 2007, New Delhi – 110066</i>
20	<i>Use of Medicinal plants in the development of anti-diabetes powder” : National seminar on state of art in cultivation, collection, Storage, processing and marketing of herbal, medicinal and aromatic plants, Sept. 22-23, 2007, MGCG, Vishwavidyalaya, Chitrakoot Satna [M.P]</i>

S.No	International Seminar
01	<i>Role of Applied Science & Engg. In the Development and Adaption of Green Technologies in the Energy Transition & Sustainable Development, Dated 14-15 November 2022</i>
02	<i>Role of Science and Agriculture towards Global Food Security and Rural Development, Shri Krishna University Dated 28-30 June 2020</i>
03	<i>Development and Prosperity of Nation through Young Minds : Search and Research Development Society, 12-13 December 2012, Bhopal MP</i>
04	<i>Environment and Human Health, National Environmental Science Academy, New Delhi 28-29 Nov 2012</i>
05	<i>Role of Senior Citizens to Built Stronger Social Capital using ICT services, World U3A Conference on Life Long Learning & Ageing with Dignity, pp.54, Feb 8-10, 2010, MGCGV, Chitrakoot Satna (M.P.)</i>
06	<i>ICT, Climate Change and Sustainable Rural Development, International Conference on Climate Change & Sustainable Management of Natural Resources, pp.42, Nov. 10-12, 2009, Gwalior MP</i>
07	<i>International Symposium on Plant Biology and Environment : Changing Scenario : University of Allahabad, Dated 17-19 December 2008</i>

DRAPRANA SINGH
APSU REWA [MP]