



Janki Devi Bajaj Government Girls College Kota

FACULTY PROFILE



1. **Name: Ms. Preeti Bairwa**
2. **Designation: Assistant Professor**
3. **Department: Chemistry**
4. **Educational Qualification:**

Level	Name of University/Board	Year	Title/ Remark/ Medal
P.G.	MDSU AJMER	2014	FIRST DIVISION
M.Phil.	-	-	-
Ph.D.	UNI OF KOTA, KOTA	IN PROGRESS	Green Synthesis of Nanoparticles
Other	CSIR NET-JRF	JUNE 2016	-

5. **Experience: Teaching /Research- 5 YEARS IN UG AND PG**

6. **Academic Courses Attended:**

- 1) ATTENDED ONE WEEK ONLINE NATIONAL FACULTY DEVELOPMENT PROGRAM ON "QUALITATIVE RESEARCH AND ISSUES IN PLAGIARISM (AN INTERDISCIPLINARY APPROACH)" ORGANISED BY GYAN ANGAD DEV TEACHING LEARNING CENTRE(PMMMNMST) MHRD GOVT OF INDIA AND DEPARTMENT OF BUSINES ECONOMICS,SGTBB KHALSA COLLEGE, UNIVERSITY OF DELHI FROM 05 TO 11 AUGUST 2021.
- 2) ATTENDED TRAINING COURSE ON RAJASHTHAN SERVICE RULES FROM 23-25 JUNE 2021 ORGANIZED BY GOVT OF RAJ. HCM RAJ STATE INSTITUTE OF PUBLIC ADMINISTRATION,JAIPUR
- 3) ATTENDED 3 DAY ONLINE FDP ON "RESEARCH METHODOLOGY" ORGANIZED BY JDB GOVT GIRLS COLLEGE KOTA IN COLLABORATION WITH JAIPURIA INSTITUTE OF MANAGEMENT JAIPUR FROM 01 DEC TO 03 DEC 2
- 4) ATTENDED FACULTY INDUCTION PROGRAMME ORGANIZED BY UGC-HRDC UNIVERSITY OF RAJASTHAN FROM 12 FEB TO 13 MARCH 2021
- 5) ATTENDED REFRESHER COURSE ON QUALITY RESEARCH AND TEACHING METHODOLOGY, ORGANIZED BY UGC-HRDC JNVU JODHPUR FROM 09 JULY TO 22 JULY 2022.
- 6) ATTEND ONLINE COURSE ON "OVERVIEW OF PLANETARY GEOSCIENCES WITH SPECIAL EMPHASIS TO THE MOON AND MARS "CONDUCTED BY IIRS FROM 08-06-2020 TO 12-06-2020.
- 7) ATTEND 7 DAYS NATIONAL ONLINE FACULTY DEVELOPMENT PROGRAMME ON "EMERGING TRENDS OF PEDAGOGY IN LANGUAGE, LITERATURE AND SOCIAL SCIENCES " CONDUCTED BY RAMANUJ COLLEGE , UNIVERSITY OF DELHI AND SHYAMA PRASAD MUKHERJI COLLEGE FOR WOMEN , UNIVERSITY OF DELHI FROM 13.07.2020 TO 19.07.2020.

- 8) ATTENDED GYAN GANGA PRGRM IN CHEMISTRY (SHORT TERM TRAINING), ORGANIZED BY GOVT COLLEGE KOTA THROUGH DEPARTMENT OF COLLEGE EDUCATION, GOVT OF RAJ.FROM 01-06 FEB 2021
- 9) ATTENDED FDP PROGRAMME (ORGANIZED BY DCE RAJ), ORGANIZED BY GOVT COLLEGE BUNDI FROM 04-05 NOV 2019.
- 10) ATTENDED FDP ON “WASTE TECHNOLOGY” ORGANIZED BY AICTE TRAINING AND LEARNING CENTRE (ATAL) ACADEMY FROM 11-15 JAN 2022
- 11) ATTEND 15-DAY ONLINE REFRESHER PROGRAM ON “QUALITY RESEARCH AND TEACHING METHODOLOGY” ORGANIZED BY UGC-HRDC, JAI NARAYAN VYAS UNIVERSITY, JODHPUR FROM 09-22 JULY 2022.
- 12) PARTICIPATED IN ONE WEEK ONLINE NATIONAL FACULTY DEVELOPMENT PROGRAMME (FDP) ON “E-RESOURCE DEVELOPMENT” FROM 13TH TO 17TH FEBRUARY 2023 ORGANIZED BY SHRI LAL BAHADUR SHASTRI NATIONAL SANSKRIT UNIVERSITY TEACHING LEARNING CENTRE UNDER PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS & TEACHING SCHEME, MINISTRY OF EDUCATION, GOVERNMENT OF INDIA.

7. Seminar/ Conference attended:

Name of seminar/ conference	Title of paper	Date
contemporary india:prospects, challenges and responses ,	Influence of air pollution on ‘socio-ecological balance’	20-21 dec 2018
International e-Conference on “Skill development:opportunities and challenges(sdcc) ,organized by department of GPM Govt Arts Girls college kota	Role of green chemistry in skill development	16-17 jan 2020
National conference on “Recent trends in environmental sustainability and green practices (rtesgp-2019)” organized by Govt College Bundi.	Green synthesis of nanoparticles and their environmental applications	15-16 nov 2019
International e-Conference on “ Green Chemistry for Sustainable Development “ 25-26 june 2020 , organized by Department of chemistry, Janardan Rai Nagar Rajasthan Vidyapeeth and Royal society of Chemistry, London (WIS)	Green synthesis of nanoparticles and their applications in sustainable development	25-26-jun 2020
International e-Conference on “ current research in biodiversity , environment and plant resources” organized by department of botany , j. d. b. govt. girls college , kota	Green synthesis of nanoparticles using plant extract and their environmental applications	25-26 nov 2020
International multidisciplinary conference on “recent trends in global warming and climate change: it's impact on environment and biodiversity”, jointly organised by: international academy of science and research (iasr), kolkata vasantdada patil arts, commerce and science college, patoda, maharashtra govt. kamla raja girls post graduate (autonomous) college, gwalior, madhya pradesh scientific and environmental research institute (seri), kolkata	Biosynthesis of bimetallic nanoparticles and their eco-friendly applications	12- 13 february, 2021
International e-conference on “sustainable futuristic materials (sfm 2021)” organized by int. research centre and dept of chemistry, kalsalingam academy of research and education,krishnakoli, dept of chemistry,j.m. patel arts , commerce and science college,bhandara and dept. of chemistry,kamla nehru mahavidyalaya,nagpur.	“Degradation of organic pollutants using green synthesized bimetallic nanoparticles: a kinetic study”.	29-30 nov 2021
International e-conference on “ rethinking science for sustainable development” organized by rajdhani college, university of delhi	Green synthesis og bimetallic nanoparticles and application in degradation of organic pollutants	20-21 april 2021

International multidisciplinary webinar on "climate change impact on agriculture, environment and sustainable development organized by iasr west bengal, geerf west bengal and seri west bengal	Degradation and kinetics of antibacterial drug by hexacyanoferrate(III) in the presence of bimetallic catalyst.	11-13 feb 2022
dst-serb sponsored international e-conference on "nanovision- 2022, emerging trends in nanotechnology and biotechnology" organized by sgvu-bbi and school of applied sciences, suresh gyan vihar university jaipur	Catalytic degradation of methyl green dye in presence of green synthesized bimetallic nanoparticles	19-20 april 2022
international webinar series on "advanced chemical technique" organized by department of pure and applied chemistry, uok, kota	attended	19,25,26 june and 02,03 july 2021
International Conference on Emerging Materials for sustainable development (EMSD-2022) jointly organized by CSIR-CSIO, Chandigarh, and IIEEE ACSIR-CSIO Student Chapter on also Participating in the online skill training on material synthesis and Characterization under CSIR integrated skill initiative, CSIR-CSIO.	Poster presented on "The Contribution of green synthesized nanoparticles for sustainable development"	9-11 October 2022.
International Conference on "Women and Careers in STEM: Representations, Challenges, and Opportunities (WSTEM-2022) Sponsored by DST-PURSE organized by Amity University, Jaipur in association with the University of Rajasthan, Jaipur, India	paper presented on "the gender gap and its impact on STEM field.	7.12.2022.
International Conference on Environment, sustainable development and human health jointly organized by SRK GOVT PG College, Rajsamand, MP Govt PG College Chittorgarh and Govt PG College Siker Rajasthan	paper presented on "Recent Advancement in Green Synthesis of Nanomaterials for sustainable development".	16-17 December 2022.
Attend the International workshop and symposium on Green Chemistry and Technology (IWSGCT-22) organized by the PG Department of Chemistry, govt Dungar College Bikaner in association with Green Chemistry Network center, University of Delhi, Delhi and Royal Society of Chemistry, London (North India section) co-sponsor CSIR, New Delhi and get the Best Online Video Presentation Award.	Paper presented on "Synthesis of plant-mediated bimetallic nanoparticles and their catalytic application in degradation of industrial waste"	22-24 December 2022
International Conference on Emerging Challenges, their solutions, and recent advances in Science and Technology (SCITECHCON-2023) organized by Sobhasaria College, Sikar Rajasthan, and Sobhasaria group of institutions, Sikar Rajasthan (India)	Paper presented on "Bimetallic Nanoparticles: Plant-mediated synthesis and Catalytic" Application.	13-14 Jan 2023.

8. Organizing Sec./Convener of conference/seminar/webinar:

International E-seminar on "Recent Advancement in Environmental Research for Sustainable Development"	Dept. of Chemistry, J.D.B. Govt. Girls College Kota	28 Oct. 2020	Work as Member
International E-Seminar On "Copyright and Plagiarism Issues in Academics"	IPR cell, J.D.B. Govt. Girls College Kota	14 Dec.2020	Work as member
National E-Seminar on "Entrepreneurship Development: Challenges and Opportunities"	Entrepreneurship cell, J.D.B. Govt. Girls College Kota	18 Dec. 2020	Work as organizing sec.

Faculty Development Program (FDP) on “Research Methodology”	organized by J.D.B. Govt. Girls College, Kota, Raj in collaboration with Jaipuria institute of management, Jaipur, Raj.	1-3 Dec 2021	Organizing committee member
National workshop on “strategies for intellectual property rights and plagiarism risks”	organized by J.D.B. Govt. Girls College, Kota, Raj in collaboration of Department of Science & Technology, Government of Rajasthan, Jaipur	12 Oct. 2021	Technical committee member
National workshop on “Patents and Designs”	organized by jdb govt girls college kota In Collaboration of NIPAM, Ministry of Commerce & Industry, Government of India	09 Feb 2022	Organizing committee member
National workshop on “Patents and Designs Filing Process”	Janki Devi Bajaj Govt Girls College Kota coordinated in conducting the Intellectual property awareness program under National Intellectual property awareness Mission on 19 January 2023 organized by Intellectual Property Office, India.	19 Jan 2023	organizing secretary
One-week Faculty Development Program on “Teaching Learning Techniques and Research Ethics”	organized by Janki Devi Bajaj Govt Girls College, Kota in collaboration with Jaipuria Institute of Management Jaipur, Rajasthan from 06 - 11 Feb 2023.	06- 11 Feb 2023	organizing secretary
7 long hands-on training supported by Department of Science & Technology (DST) under STUTI (Synergistic Training Program Utilizing the Scientific & Technological Infrastructure) program on “Analytical Instrumental Techniques”	Organized by Janki Devi Bajaj Government Girls College, Kota, Rajasthan In association with Indian Institute of Technology, Gandhinagar, Project Management Unit, Gujarat	Date: 5-11 June 2023.	organizing secretary

9. Research Publications

Title of Paper	Name of Journal	Volume and No. with Year	Citation Index	Impact Factor	Google Index
Degradation of Organic Pollutants using Green Synthesized Bimetallic Nanoparticles: A Kinetic Study	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Volume 12, Issue 4, December 2021		Impact Factor: 5.731	

Experimental Investigation on Green Synthesis of Bimetallic Nanoparticles by Using Plant Extract: A Review	Nano World Journal	Volume 8, Issue 1, December 2022	Indexed In Scopus Scopus ID: 21100926589	1.06	
Nano-Biofertilizers Synthesis and Applications in Agroecosystems	Agrochemicals 2023,	2(1), 118-134			

10. Monograph/ Book / Chapter (in Edited Book)/Chapters in study material of Open universities

• **Chapter(s) in Book (Edited /multi-author)**

Title of Chapter	Authors / Editors	Name of the Book with ISBN/ ISSN No.	Publisher with Place	Year of Publication
ECO-FRIENDLY SYNTHESIS OF BIMETALLIC NANOPARTICLES AND THEIR APPLICATION IN ENVIRONMENTAL REMEDIATION	PREETI BAIRWA, VIJAYDEVRA		DEPARTMENT OF CHEMISTRY SOPHIA GIRLS COLLEGE , AJMER	12.03.2022

11. Extra-Curricular Activities:

1. IN CHARGE OF NCC (ARMY WING) 2020-2022
2. CO- INCHARGE OF RED RIBIN CLUB
3. NSS INCHARGE (UNIT-I)
4. INCHARGE OF ROAD SAFETY AWARENESS CLUB