

# Janki Devi Bajaj Government Girls College Kota



## FACULTY PROFILE

**Name :** Dr. Jagrati Meena  
**Designation:** Assistant Professor  
**Department:** Chemistry  
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**Mob. No.:** 9414452469



### Educational Qualification:

Level	Name of University/Board	Year	Title/ Remark/ Medal
P.G.	M.L.S. Univ. Udaipur, Raj.	2001	
Ph.D.	J.N.V. Univ. Jodhpur, Raj.	2003	Studies in Photogalvanic Effect: Solar Energy Conversion and Storage
Other B.Ed.	M.D.S. University, Ajmer	2006	

### Experience: Teaching / Research

UG	13 year	PG	13 year	Research	

### Membership (Academic Bodies):

1. Life member of Indian science congress, Kolkata, Membership no. - L26610
2. Life member of Glocal environment and social association (GESA), Prayagraj, LM No. 146/ 2019

### M.O.O.C. developed:

1. channel ccerajjdbgckota Contributor YouTube

### Awards Received:

1. District level award for contribution in Voters awareness given by Collector, Kota (2014)
2. District level award for contribution in "Pulse Polio activities" given by Department of Medical, Health and family Welfare, Govt. of Rajasthan (during 2015-16)
3. Awarded by human welfare committee Rajasthan for contribution in plantation and public awareness (June 2016)
4. Distinguished teacher award for contribution in the field of inspiring works in teaching from GESA, New Delhi (2021)

## Academic Courses Attended:

Course	Place	Sponsoring Agency	Duration
Orientation Course	Jaipur	ASC university of Rajasthan Jaipur	06-12-2010- to 01-01-2011
Refresher course	Ajmer	UGC, ASC, M.L.S. University, Ajmer Raj.	11-09-2013 to 01-10- 2013
Refresher course	Kota	UGC-HRDC, J.N.V. University, Jodhpur, Venue KOTA University. KOTA	11-05-2016 to 31-05-2016
Short term course	Ajmer	HRDC, MDS University Ajmer	03/03/2020 to 08/03/2020

## Special Training and Programme

1. Participated in Three days training of trainers (TOT) on sensitization of urban youth on Gender based violence in Rajasthan, sponsored by United Nations Development Programme (UNDP) organized by “Society to uplift rural economy (SURE)” at kota on 21-23 April, 2014
2. Participated in 5 days “Microsoft Office Specialist” training workshop, Organized by Commissionerate, College Education & Microsoft in J.D.B. Govt. Girls College, Kota on 8- 12 Nov, 2018
3. Short term training programme organised by National Institute of Technical Teachers Training and Research, Bhopal, at TTC, LRDC, Jodhpur on 30-09-2019 to 4-10-2019
4. Online 7 days Entrepreneurship development programme, Organised by Finishing school & placement cell Mohan Lal Sukhadia University Udaipur and Govind Guru Tribal University, Banswara, Rajasthan at Udaipur on 6 to 12 July 2020
5. Online Mid-Career Training Programme, organised by HCM Rajasthan State Institute of Public Administration Regional Training Center, Kota at Kota on 27 to 31 July 2020
6. Online 7 days Short-term programme on Initiatives for teaching – learning Excellence in Chemistry, under Gyan Ganga Programme jointly organised by Raj Rishi Govt. College Alwar and Commissionaire college education Jaipur Raj. On 25 to 31 Jan. 2021

## Participation in Other Conference/ Seminar/Workshop/ Summer School/ Camp etc.

1. Participated in International Conference on Environmental Issue in Emerging and advanced Economies: Canada, India organised jointly by Dept. of Chemistry and James Reaney Canadian Centre ,Gujarat Uni. Ahmedabad on 6-8Dec. 2009
2. Participated in in D.S.T. Workshop on Water Purification Possibilities & Prospects organised by J.N.V. University , Jodhpur, Raj. On 4-5 Dec. 2010
3. Participated in International Conference on Renewable Energy organised by Univ. of Rajasthan on 17-21 Jan. 2011
4. Participated in National Workshop on Psycho- Cultural Instabilities Amongst Students A need for Appropriate Therapy organised by J.D.B. Govt. Girls College, Kota on 21-22 sept. 2012
5. Participated two-day Regional level workshop of NSS under Directorate, College Education, Jaipur Rajasthan from 21-22 Jan., 2012 in Govt. P.G. College, Bundi
1. Participated two-day Regional level workshop of NSS under Directorate, College Education, Jaipur Rajasthan from 23-24 Jan., 2012 in Govt. commerce College, Kota
2. Participated one-day Regional level workshop of NSS under Directorate, College Education,

- Jaipur Rajasthan from 29 Jan., 2013 in Govt. P.G. College Baran
3. Participated two-day Regional level workshop of NSS under Directorate, College Education, Jaipur Rajasthan from 3-4 Feb., 2013 in Govt. P.G. College, Bundi
  4. Participation in Wildlife Week organised by J.D.B.Govt. Girls College Kota in Collaboration of Zoo- outreach organization Coimbatore and wildlife Division , Kota on 11-7 Oct 2013
  5. Participated two-day Regional level workshop of NSS under Directorate, College Education, Jaipur Rajasthan from 23-24 Oct., 2013 in Govt. commerce College, Kota
  6. Participated two-day Regional level workshop of NSS under Directorate, College Education, Jaipur Rajasthan from 30-31 Oct., 2013 in J.D.B.Govt.Girls College, Kota
  7. Participation in one day workshop on Involvement of youth in election process organized by LBS College Kota on 16 Nov. 3013
  8. Participation in District Youth Festival & Employment help camp organised by Dist. Youth Board Kota on 23 Feb. 2014
  9. Participated in National Seminar on CORPORATE REPORTING IN INDIA Organised by Career point university kota and Indian accounting association kota branch (23 March 2014)
  10. Participated in “Workshop on Voluntary Blood Donation” organized by Kota Blood Bank Society, Kota on 17 Oct.,2014
  11. Participated in one day workshop on “Voter’s Awareness Programme” organised by District Election Officer (Collector) on 18 Nov., 2014 at Kota.
  12. Participated in Annual Research Seminar organized by centre for excellence (Model College) at J.D.B.Govt.Girls College, Kota on 30 Jan 2015
  13. Participated two-day Regional level workshop of NSS under Directorate, College Education, Jaipur Rajasthan from 9-10 Feb., 2015 in Govt.College, Kota
  14. Participated in Youth Festival organized by govt. of Rajasthan Youth & Sports department and Dist. Youth board & NYKS Kota on 20 Dec. 2015
  15. Participated in International Vulture Awareness Day at kota (3 Sept. 2016)
  16. Participated in Regional Workshop Cum -Seminar on" EXCELLENCE IN HIGHER EDUCATION IN RAJASTHAN" Organised by Govt.Arts Girls College Kota (7 Sept 2018)
  17. Participated in National Webinar on Prospects of Teaching and Learning Processes in Higher Education: Post Covid-19 Scenario Organised by Govt. College Bundi Raj. On 21 **June, 2020**
  18. Participated in Online Webinar on Covid-19 Challenges and Opportunities Organised by Govind Guru Tribble University on **30 June, 2020**
  19. Participated in Online: National Webinar on Sustainable Utilization of Herbal Resources: Conservation & Challenges “Organised by G.C. Bundi on **2 Sept. 2020**
  20. Participated in Online: National Webinar on Plastic and E- Waste Management: A Challenge to clean Environment Organised by Dept. of Environmental Science AKS Univ. Satna (M.P.) GISA New Delhi and M.P. Pollution control Board, Satna (M.P.) On **13 to 14 August 2020**
  21. Participated in Online: National Webinar On “Relevance of Gandhian though in the present scenario” Organised by Dept. of Political Science, Gauri Devi Govt. College for women, Alwar (Raj.) On **2 oct. 2020**
  22. Participated in National Webinar On “Economic and sectoral challenges and opportunities from Artificial Intelligence: The Roadmap for India to embark upon” Organised by Finishing School and Placement Cell Mohan Lal Sukhadia University, Udaipur Raj. On **6 Oct. 2020**
  23. Participated in International webinar on Women’s Role in Development: Need for Gender Justice India, Organised by dept of Zoology, Paliwal P.G. College Shikohabad Firozabad (U.P.), India, On **30 to 31 Oct. 2020**
  24. Participated in International E- Conference on “Management of Forest and Wildlife Under Changing Climate Scenario” organised by J.D.B.Govt. Girls College Kota Raj, on **19 to 20 Nov. 2020**

25. Participated in E- Workshop on “Virtual Lab: Experiments via Simulations, Organised by Kanoria P.G. Mahila Mahavidhyalay, Jaipur in collaboration with Virtual Lab and IIT Delhi, on **9 Feb. 2020**
26. Participated in E- National seminar on IPR Organized by IPR Cell, Govt. College Kota
27. Participated in National Webinar on “Biodiversity and Waste Management” Organised by KRT Art, BH Commerce and AM Science College Nasik on 12 Feb. 2021
28. Participated in National Webinar on “Recent Advances in Aquatic Biology Resource Management” Organised by Dept. of Zoology, Govt. Model Science College Rewa M.P. on 26 Feb. 2021
29. Participated in National Webinar on “Science, Technology and Innovation: Impact on Education Skill and Work” Organised by Department of computer science A.P.S. University Rewa.M.P. on 28 Feb. 2021

### **Online F.D.P (Faculty Development Programme) attended**

1. FDP Organized by MHRD Teaching Learning center, Ramanujan college Univ. of Delhi & Shyama Prasad Mukherji College for Women’s Univ. of Delhi on 13 to 19 July 2020

### **1. Paper Presentation in Seminar/ Conference/ Workshop:**

No.	Name of Seminar/conference	National/ international/ Regional	Title of paper	Date
1	National Seminar on Analytical Electrochemistry (NSAE-2010) organised by J.N.V.Univ. Jodhpur	National	Electrochemical study of Cd (II) Ion with unsaturated bicarboxylic acids in aqueous media at D.M.E	8-10 Feb.2010
2	National Symposium on Recent Advances in Chemical Sciences organised by Univ. of Kota	National	Photocatalytic Degradation of some commonly used Dyes in aqueous phase using copper oxide as semiconductor	7-8 Jan.2011
3	Science for Shaping the Future of India Organised by CCT, University of Rajasthan, and ISCA, Jaipur	National seminar	Comparative studies of complexes of IN (III) and TL(I) with various amino acids at D.M.E	6-7 Oct.2012
4	Social-legal Issues and Challenges of Female Foeticide and Infanticide in India organised by JNV UNI. Jodhpur Association with Indian Chemical Society	National seminar	Female Foeticides and infanticide: An Indian scenario	4-5 Oct. 2013
5	National Seminar on Pure and Applied Chemical Science Organised by JNV Uni Jodhpur Association with Indian Chemical Society	National seminar		10-11 Jan. 2014
6	Materials and Their Energy Applications Organised by Department of Physics S.S. Jain subodh P.G. College Jaipur,	National conference	Study of Photogalvanic effect for solar energy conversion and storage	22-24 Dec. 2014
7	Culture Diversity and Gender Issue in Society Organised by Department of Sociology M.P.GOV.T. P.G. College Chittorgarh	National seminar	The role of tourism in environment activities	20-21 Feb 2015
8	Emerging Trend In Chemical Science Organised by Department of Chemistry, J.N.V. Univ. Jodhpur	National seminar	Electrochemical study of Cd (II) complexes with Maleic acid and Methyl- Maleic acid in Aqueous media at D.M.E.	13-15 March 2015
9	Advances in Natural Science for Indigenous Development In India Organised by Department of Botany, UOR Jaipur	National seminar	Thermodynamic functions and stability constant of complex formed by Ti (I) with amino acid at DME	30 Sept.to 2 oct. 2015

10	International conference on Recent Advances in Chemical Sciences	International	Polarographic study of In (II) complexes with some Amino acids (Alanine and serine) and Phthalic acids	28-30 Dec. 2015
11	Morden Trend in Chemical Science Organised by M.L.S. University Udaipur	National seminar	Diclofenac drug degradation in water by visible light/BaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> Nano photocatalyst	30-31 Jan. 2016
12	Critical Evaluation of Renewable Energy Sources: Potential, Techniques and Environmental Protection Organised by Maharishi Arvind College of Engineering & Technology kota	National seminar	Role of Sodium lauryl Sulphate for solar energy conversion and Storage: Photogalvanic effect - EDTA-TB System	<b>26-27 Feb 2016</b>
13	Environmental Challenges Human Health and Society Organised by University of Rajasthan, Maharaja College Jaipur & ISLS	National Conference	Chemical Effect of Toxic Heavy Metals on Human Health	8-10 Sept.2016
14	Science and Technology the Indian Perspective Organised by University of Rajasthan, Jaipur	Nation Seminar	A comparative study of Photogalvanic effect -solar energy conversion and storage	16-17 Sept. 2016
15	Recent Trends in Chemical Sciences: Global Prospective and Progress Organised by Department of Chemistry SGG College Banswara, Raj.	International Seminar	Studies of Photogalvanic cell for solar energy conversion and storage	28-29 Nov. 2016
16	Global environmental challenges: present scenario Organised by Department of Botany University of Rajasthan Jaipur	National Symposium	The current environment issue: Greenhouse effect and global warning	21 Jan. 2017
17	Frontiers of Chemistry -Allied Science Interface Organised by Department of Chemistry UOR, Jaipur	International Conference		22-23 July 2017
18	Impacts of Climate Change on Agricultural Development Organised by Department of Geography, J.N.V. University Jodhpur	National Seminar	Environmental impacts -The role of solar energy technology	27-28 Oct. 2017
19	Instrumentation Techniques for Research in Chemical Science Organised by Department of Chemistry Kanoria P.G. Mahila Mahavidyalaya Jaipur	National Workshop	Studies of electronic parameters in Photogalvanic cell for solar energy conversion and storage	22-23 Dec. 2017
20	Environmental Changes and Their Impact on Plants and Human Health Organised by St. Wilfred PG College,Jaipur	International Conference	Emissions from thermal power plant and its environmental impacts	15-17 Jan. 2018
21	Frontiers of Chemistry -Allied Science Interface Organised by Department of Chemistry UOR, Jaipur	International	Studies of Photogalvanic cell for solar energy conversion and storage	21-22 dec. 2018
22	Our biodiversity, our food &our health Organised by GESA,New Delhi, BPS Prayagraj,govt. P.G. College,Saidabad IASR Kollkatta at prayagraj U.P.	International	Current scenario of Solar Energy	21-22 may 2019
23	Emerging challenges, their solution and recent advances in science Organised by Govt. science college Sikar Rajasthan	International	performance of photogalvanic cell for solar energy conversion storage	4-5 oct.2019
24	Recent trends in environmental sustainability and green practices Organised by Govt. college bundi Rajasthan	National conference	Green synthesis of nanoparticles and their environmental applications	15-16 nov.2019
25	International conference on environment and society (ICES-2019) Organised by GESA New Delhi, &DGPG College Kanpur, U.P., ,ITS Kanpur, ABRF India and department of biotechnology India, at Harcourt butler technical university Kanpur,	International	The Role of renewable Energy sources for environmental sustainability	22-23 dec. 2019
26	International conference on skill development opportunities and challenges , Organized by GPEM Dept. at govt. arts girls college kota	International	Skill development: challenges and opportunities in India	16-17 Jan 2020

27	International e- Conference on Green Chemistry for Sustainable Development, Organised by Dept. of Chemistry, J.R.N. Rajasthan Vidyapeeth, (Deemed to university) Udaipur & Royal society of chemistry of London (WIS)	International	Electrochemical study of anionic surfactant in Photogalvanic cell for solar energy conversion and storage	25-26 June, 2020
28	International E- Conference on “Current Research in Biodiversity, Environment and Plant Resources”, Organised by Dept. of Botany, J.D.B. Govt. Girls College Kota Raj.	International	Photogalvanic cell an Eco-friendly device for solar energy conversion and storage	25-26 Dec. 2020
29	National Seminar on Recent Trends, Issues and Challenges Environmental and Biodiversity Conservation, Organised by GGT University Banswara & Govt. P.G. College Pratapgarh Rajasthan	National	Analytical Aspect of Renewable Energy and its Application	19-20 Feb. 2021
30	International Multidisciplinary conference on “Recent Trends in Global Warming on Climate Change: Its Impact on Environment and Biodiversity” Organised by IASR, Kolkata, Vasantdada Patil Art, Commerce, Science College Patoda Maharashtra SERI Kolkata, Govt.KRGP College Gwalior M.P.	International	Impact of Solar power Technologies for Climate Change	12 to 13 Feb. 2021
31	International web conference (IWC 2020), Safe Water, Sanitation and Hygiene for Health, Organised by Dr. R.Z. College for women Aurangabad (MH), Govt. PG College Bhaderwah Doda (j&k), GESA, New Delhi, ABRF Prayagraj, Nepal Aquaculture Society, Kathmandu, Nepal	International web conference	Role of Photosensitizer for Solar Energy Conversion and Storage	9 to 11 Nov. 2020
32	International Web conference on “Recent Trends in Chemistry and Environment” (RTCE-2021) organized by the Department of Chemistry, M.S.J. Govt. P.G. College, Bharatpur, Rajasthan,	International	Solar Energy Conversion Storage in Photogalvanic CELL	5 to 6 March 2021

### Organized conference/seminar/webinar and training programme

Title	Organized by	Date	Role
Organized Peer educator training workshop for NSS volunteers on “Legal and Social aspects of Gender based Violence	NSS, J.D.B. Govt. Girls College Kota	11th Nov. 2014	Organising committee member
Organized 2 days’ workshop of National Service Scheme	NSS, J.D.B. Govt. Girls College Kota	25-26th Nov.2014	Organising committee member
Organized 15 days training programme in summer vacation on Entrepreneurship and skill development	YDC, J.D.B. Govt. Girls College Kota	11- 25 June 2018	Organising committee member
Organized 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	Co-ordinator
Organized National E-Seminar on “Entrepreneurship Development: Challenges and Opportunities”	Entrepreneurship cell, J.D.B. Govt. Girls College Kota	18 Dec. 2020	Convener
Organized National E-Seminar on Digital transformation of society and its Impact on human behaviour	YDC, J.D.B. Govt. Girls College Kota	6 Jan. 2021	Organising Secretary

Organized National Webinar on “Sexual Harassment of women at work Place: Protection & Awareness”	Human Rights Cell, J.D.B. Govt. Girls College Kota	27 Feb .2021	Co-ordinator
Organized National e-seminar on “NAAC Accreditation: Opportunities and Challenges”	J.D.B. Govt. Girls College Kota	9th Nov, 2020	Organising committee member
Organised International E-Seminar On “Copyright and Plagiarism Issues in Academics”	IPR Cell, J.D.B. Govt. Girls College Kota	14 Dec. 2020	Organising committee member

### Resource Person:

1. Lecturer delivered as Resource Person in the in Training Programme on Entrepreneurship and skill development organized by YDC J.D.B.Govt. Girl College Kota (11- 25 June 2018)
2. Lecturer delivered as Resource Person in the YDC Cell, Govt. Girls College Jhalawar
3. Lecturer delivered as Resource Person in the YDC Cell,at Govt. Girls College Ramganjmandi on 5/12/2016

### Research Supervision: Yes

**Basic Field of specialization:** Photogalvanic cell, Solar energy Conversion & Storag

### 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
Role of Renewable Energy for Sustainable Development	Editor – Dr. A.K. Verma	Environment and Society ISBN: 978-81-931262-3-3	Department of Zoology Government PG College, Saidabad, Prayagraj, Glocal Environment & Social Association (GESA), New Delhi	June 2020

## Research Publications

Title of Paper	Name of Journal	Volume and No. with Year & ISSN	Citation Index	Impact Factor	Google Index
Role of Surfactant in Photogalvanic cells for Solar Energy Conversion and Storage	Energy Sources part A	Vol. 28, No.8. June 2006 Print ISSN: 1556-7036 Online ISSN: 1556-7230		<b>1.184</b>	
Removal of synthetic dye from Industrial waste by the use of Photogalvanic cell	Proceeding of International conference on Environmental Health Hazards-2009				
EDTA-TB-Cetyl Pyridinium Chloride in Photogalvanic cell for Solar Energy Conversion and Storage	International Journal of Innovative Computer science & Engineering	Vol. 2, Issue1, April 2015, ISSN: 2393-8528			
Comparative Studies of Micelles in Photogalvanic Cell: for Solar Energy Conversion and Storage	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	Vol. 6, Issue 7, July 2017 ISSN(Online): 2319-8753 ISSN (Print): 2347-6710		7.512	
Differential localization of metabolites in leaf gall of Ficus religiosa induced by pipal diplosis	Journal of Emerging Technologies and Innovative Research (JETIR)	June 2019, Volume 6, Issue 6 (ISSN-2349-5162)		7.95	
Use of toluidine blue-EDTA-Tween-80 system in Photogalvanic cell for solar energy conversion and storage	Journal of Emerging Technologies and Innovative Research (JETIR)	June 2019, Volume 6, Issue 6 (ISSN-2349-5162)		7.95	

### Sports Activities:

- Representation of Kota District in State level Youth and Sports Fest organized in Jaipur on 12 Jan. 2013
- Work as Sports Committee member at J.D.B. Govt. Girls College Kota
- Take a team for tournament at Sigma TTC College Jhalawar (14-10-2016) & University of Kota (5-9-2018)
- Conducted Regional level Girl's badminton competition at J.D.B. Govt. Girls College Kota in 2018
- Conducted inter house Sports competition at J.D.B. Govt. Girls College Kota in 2019

### Extra Curricular Activities:

1. Worked as NCC officer (Army Wing) at J.D.B. Govt. Girls College Kota (during 2008 - 09 to 2010-11 & 2016-17)
2. Worked as NSS officer at J.D.B. Govt. Girls College Kota from 2011-12 to 2014-15
3. Worked as Academic Counsellor of IGNOU
4. Work as Incharge of "Pratiyogita dakshata karyakram" (Free coaching class for competition exam) at J.D.B. Govt. Girls College Kota (during 17/1/19 to 2019-20 & 2020-2021)
5. Worked as Red Ribbon Club Incharge at J.D.B. Govt. Girls College Kota



6. Worked as Incharge of Social Justice Department scholarship and Tribal Area Development Department scholarship at J.D.B. Govt. Girls College Kota
7. Worked as Nodal Officer of Gyan Shudha Chanel at J.D.B. Govt. Girls College Kota (2020-21)

### **Any Other Relevant Information/Contributions**

1. Certificate for appreciation for work done in “**world breastfeeding week**” celebrated by BPIN & Indian Academy of Pediatrics, Haroti Branch from 1 to 7 aug.2018
2. Certificate for appreciation for work done in “**District Youth Festival & Employment help camp**” organized by Dist. Youth Board Kota on 23 Feb. 2014