



# Janki Devi Bajaj Government Girls College Kota

## FACULTY PROFILE



- 1 Name: Dr. Arti Shah
- 2 Designation: Associate Professor
- 3 Department: Chemistry
- 4 Educational Qualification:

Level	Name of University/Board	Year	Title/ Remark/ Medal
<i>P.G.</i>	University of Rajasthan	1990	First Division
<i>Ph.D.</i>	Mohanlal Sukhadia University, Udaipur	2010	Use of Semiconducting Copper (II) Oxide as a Photocatalyst

### 1. Experience: Teaching / Research

UG	29	PG	25	Research	

### 1. Academic Courses Attended:

Course	Place	Sponsoring Agency	Duration

<i>Orientation Course</i>	<b>Jaipur</b>	ASC, University of Rajasthan	10/9/1997 to 7/10/1997
<i>Refresher Course</i>	<b>Jaipur</b>	ASC, University of Rajasthan	10/06/2002 to 29/06/2001
<i>Refresher Course</i>	<b>Udaipur</b>	UGC, New Delhi, Department of Environmental Sciences	08/12/2004 to 28/12/2004

<i>Refresher Course</i>	<b>Jodhpur</b>	MLSU, UGC-ASC, J.N.V University	05/09/2005 to 24/09/2005
<i>ICT Training Programme</i>	<b>Kota</b>	Commissionerate College Education, J.D.B Govt. Girls College	30/01/2009 to 19/02/2009
<i>Good Governance Training</i>	<b>Kota</b>	Harishchandra Mathur Rajasthan Rajya Loj Prashasan Sansthan	21/03/2006 to 24/03/2006
<i>MOS Training</i>	<b>Kota</b>	Commissionerate College Education, J.D.B Govt. Girls College	08/10/2018 to 12/10/2018
<i>RS &amp; GIS Applications</i>	<b>Kota</b>	IIRS, Kota Centre	02/11/2020 to 20/11/2020

<i>Other (Workshop/ Summer School/ Camp etc.)</i> Workshop on Analytical Instruments	E- Workshop	Dr. CV Raman University Bilaspur	15/06/2020 to 17/06/2020

## 2. Seminar/ Conference attended:

Name of Seminar/ Conference	Internat./ National/ Regional	Paper Presented	Title of Paper	Date
Recent Advances in the field of Applied Chemistry	National	<b>Presented</b>	Kinetics & Mechanism of electron transfer reactions in aqueous solutions: silver(I) catalyzed oxidation of neutral amino acid by cerium (IV)	<b>2-3 December 2006</b>
Recent Trends in Chemistry	National	<b>Presented</b>	Seasonal variability of anionic composition of dry precipitation of industrial city Kota	<b>10/01/2007</b>
Recent Advances in Chemical Sciences	National	<b>Presented</b>	Photocatalytic degradation of dye over semiconductor copper oxide in aqueous solution	<b>3-5 October 2008</b>
Environmental Health Hazards	National	<b>Presented</b>	Photocatalytic degradation of some commonly used dyes in aqueous phase using metal oxides by photocatalyst	<b>17-18 December 2009</b>
Analytical Electrochemistry	National	<b>Presented</b>	Photodegradation of commercial dyes by using Copper Oxide as Semiconductor	<b>8-10 February 2010</b>
Sustainable management and conservation of water resources	National	<b>Presented</b>	Traditional methods of Water Harvesting and it's applicability	<b>12-13 March 2010</b>
Recent advances in Chemical Sciences	National	<b>Presented</b>	Effect of Photodegradation on different dyes by Metal Oxides	<b>7-8 January 2011</b>
Chemical Sciences in New Millennium	National	<b>Presented</b>	Photocatalytic degradation of crystal violet using Copper oxide semiconductor as Photocatalyst	<b>8/01/2012</b>
Materials and their Energy Applications	National	<b>Presented</b>	Study of Photogalvanic effect for Solar Energy conversion and storage	<b>22-24 December 2014</b>
Workshop on Water Purification Possibilities & Prospects	State	<b>Attended</b>	--	<b>4-5 December 2010</b>

International conference on Environmental issues and advanced Economies organized by Department of Chemistry, Gujarat University, Ahmedabad and James Reaney Canadian Centre	International	<b>Attended</b>	---	<b>6-8 December 2009</b>
International Conference on Renewable Energy	International	<b>Attended</b>	--	<b>17-21 January 2011</b>
National Conference on NAAC Accreditation Process	National	<b>Attended</b>	--	<b>9 November 2020</b>
International E-Conference on Management of Forest and Wildlife under changing climate scenario	International	<b>Attended</b>	--	<b>19-20 November 2020</b>
International E-Seminar on recent advancement in environmental research for sustainable development	International	<b>Attended</b>	--	<b>28 October 2020</b>
National Webinar on Student Teacher relationship during covid times	National	<b>Attended</b>	--	<b>16 December 2020</b>
State Webinar on awareness on intellectual property rights	State	<b>Attended</b>	--	<b>28 January 2021</b>

### Research Publications

<b>Title of Paper</b>	<b>Name of Journal</b>	<b>Volume and No. with Year</b>	<b>Citation Index</b>	<b>Impact Factor</b>	<b>Google Index</b>
Photocatalytic Degradation of Crystal Violet by Use of Copper Oxide as Semiconductor Polish J. Chem., 83, 2001-2007	Polish Journal of Chemistry	83,2009		0.72	
Photodegradation of two commercial dyes in aqueous phase using Copper Oxide as Photocatalyst Int. J. Chem. Sci.: 7(4), 2345-2353	International Journal of Chemical Science	7(4),2009		0.16	

Photodegradation of Rose Bengal using Manganese Dioxide RASAYAN J. Chem., Vol.2 No.2, 516-520	Rasayan Journal of Chemistry	Vol.2 No.2, 516-520 2009			
Photocatalytic Activity of Copper oxide in Bleaching of Brilliant Green J. Ind. Council Chem. 27(1), 19-22	Journal of the Indian Council of Chemists	27(1), 19-22 2010		0.16	
Photocatalytic Degradation of Azure-B in aqueous solution using Manganese Dioxide as Photocatalyst Int. J. Chem. Sci.: 8(1), 451-458	International Journal of Chemical Science	∴ 8(1), 451-458 2010		0.16	
Photocatalytic bleaching of malachite green by manganese dioxide J. Indian Chem. Soc., 88, 673-675	Journal of the Indian Chemical Society	88, 673-675 2011		0.25	

