

## Evaluative Report of the Chemistry Department

**Name of the Autonomous College:** Govt. Science College, Jabalpur

**Name of the Department:** Department of Chemistry

**District:** Jabalpur

**State:** Madhya Pradesh

Sl. No.	Name of the Department	Chemistry			Biochemistry
1.	Year of Establishment	UG 1896, PG 1947			UG 1999
2.	Names of programmes offered	B.Sc., M.Sc., Ph.D.			B.Sc.
3.	Number of teaching posts Sanctioned/Filled	Posts Sanctioned -27, filled-24, Guest Faculty-03			Posts Sanctioned -Nil, Guest Faculty-01
4.	Number of students enrolled	<b>Session</b>	<b>B. Sc.</b>	<b>M.Sc.</b>	<b>B. Sc.</b>
		2013-14	780	61	20
		2014-15	844	39	25
		2015-16	1122	44	34
		2016-17	1571	60	41
		2017-18	2012	56	83

5.	<b>Number of Research Projects:</b>	11
	Total grants received	Rs. 1.12 Crore
6.	Inter –institutional collaborative projects and Associated grants received	Nil
	National collaboration	1
	International collaboration	2
7.	Departmental projects funded by DST-FIST, DBT, ICSSR, etc., : Total grants received	BRNS, BARC:15 lakhs (2012-15) UGC, DAE: 08 lakhs (2012-15) UGC: 2.65 lakhs (2011-14) UGC: 0.5 lakhs (2012-14) DRDO: 14.8 lakhs (2014-16) DRDO: 41.5 lakhs (2014-17) MPCST: 4.03 lakhs (2015-17) UGC: 4.00 lakhs (2015-17) CSIR: 22 lakhs (2015-18)
8.	Special research laboratories sponsored by / created by industry or corporate bodies	Nil

<b>9. Publications:</b>	Number of Papers published	209
	Number of Books with ISBN	Two chapters in book ISBN 2364-1878
	Number of Citation Index – range / average	Range 0-76, Average 4.3*
	Number of Impact Factor – range / average	Range 0-5.1, Average 2.2*
	Number of h-index	HI range 2-30, Average-11* I 10 index 1-93, Average- 22*

\* Based on Data for faculty actively engaged in research

<b>10. Details of patents and income generated*</b>	<b>Name of the Patentee</b>	<b>Patent Number</b>	<b>Title of the patent</b>	<b>Year of Award of patent</b>
	Dr. A.K. Bajpai, Dr. Jaya Bajpai & Dr. R.B. Shrivastava ( Ex-Director, DHIHAR, Leh Laddakh)	298967	Development of High Performance Novel Nanoadsorbent For Removal of Toxic Metal Ions and Bacteriological Contaminations	2018

\*No income till date

<b>11. Areas of consultancy and income generated *</b>	<b>Name of the consultant</b>	<b>Name of consultancy project</b>	<b>Consulting/ Sponsoring agency with contact details</b>	<b>Year</b>	<b>Project Cost (amount in rupees)</b>
	Dr. S.K. Bajpai	Development of Cu-Chitosan as effective urea absorbent in Peritoneal Dialysis Therapy	Triomed AB (Sweden)	2013-15	Rs. 10,00,485
	Dr. A.K. Bajpai	Slow water releasing nano carriers	DRDO, New Delhi, Telephone : 011-23011073, 23007636 (Telefax) Email : dpidrdo@hqr.drdo.in, dpidrdo@gmail.com	2014-16	Rs. 9,80,000

\* No income for Principal investigator or College.

12.	<b>Awards/Recognitions received at the National and International level by :</b>	
	Faculty	Dr Arun Kakkar (i) Bharat Shiksha Ratan Award, New Delhi, Sept 2015 (ii)Asia Pacific who is who Vol. XIV Feb, 2016
	Doctoral/Post doctoral fellows	(i) Postdoctoral fellowship was given to Dr Ripul Mehrotra by Stellen Dosch University, Argentina (ii) Young scientist award 2013 (MPCST) – Mrs Deepti Deshpande (iii) Young scientist award 2014 (MPCST) – Ms Meharkanta Gupta (iv) Young scientist award 2016 (MPCST) – Ms Shikha Chouhan (v) Tejaswini Award 2016 – Ms Anamika Singh (vi) Young scientist award 2016 (International Indian Science Festival at NPL –CSIR Delhi) Ms Anamika Singh (vii) Best poster award UGC-DAE Indore at National Conference – Pallavi Shukla (viii) Second Best Poster award Ms Laxmi Gond, 5th Bharatiya Vigyan Sammelan (BVS 2017) Theme: “Confluence of traditional and modern sciences” Jointly organised by Vijnana Bharati, Government of Maharastra and Deccan Education Society on 11th to 14th May 2017, Venue: Fergusson College (Autonomous), Pune.
	Students	Nil
13.	<b>How many students have cleared Civil Services and Defence Services examinations, NET, SET (SLET), GATE and other competitive examinations<sup>‡</sup></b>	NET- 01 NET- 02 Other competitive examinations <sup>‡</sup> : MP PSC ( Assistant Professor) 2018: 08

<sup>‡</sup> After completing UG/PG & Ph. D. degree, students go for various jobs and clear various competitive examinations but we are in a process to develop a mechanism for tracking their progress.

14.	<b>List of doctoral, post-doctoral students and research associates</b>	<b>Doctoral</b>			
	From the host institution/institution	1	Anamika Singh	8	Renu Dubey
		2	Mohanlal Raidas	9	Sangeeta Maravi
		3	Neha Sonker	10	Shweta Soni
		4	Pradeep Daheriya	11	Preeti Pradhan
		5	Priynka Banger	12	Sushma Jhariya
		6	Raineesh Kumar Sharma	13	Swati Mahobia
		7	Ravi Dutta		

	From other institutions/universities	1	Bhaskar Chaurasia	24	Mahendra Markam
		2	Brij Mohan	25	Mahesh P. Swarnakar
		3	Dimple Dehariya	26	Manjulata Shrungii
		4	Hariom Soni	27	Manoj Kumar Gajbhiey
		5	Mamta Jadaun	28	Manoj Kumar Pathak
		6	Manoj Gaibhaiye	29	Maya Sharma
		7	Maya Sharma	30	Mehar Kanta Gupta
		8	Preeti Vaidya	31	Mrs Sonali Jaiswal
		9	Sangeeta Jhariya	32	Nidhi Khare
		10	Shweta Chouksey	33	Nisha Singh
		11	Abhishek Agrawal	34	Pallavi Shukla
		12	Anjali Pal	35	Preeti Vaidya
		13	Anjana Goswami	36	Priyanka Shukla
		14	Anuja Jain	37	Ranju Kandra
		15	Archna Chaturvedi	38	Rashmi Choubey
		16	Arti Sharma	39	Rashmi Jaiswal
		17	Basharat Suhail	40	Riya Markam
		18	Bashrat Suhail Wagay	41	Sangeeta Jhariya
		19	Bhaskar Chaurasia	42	Shatrudhan Jhariya
		20	Dimple Dehariya	43	Shweta Chouksey
		21	Farhan Ferooz Shah	44	Sushma Jharia
		22	Hariom Saxena	45	Vidhya Raj
		23	Laxmi Gond		

	<b>List of research associates from the host institution</b>		
		1	Dr Laxmi Prasad Bagri
		2	Dr Raje Chouhan
		3	Dr Surinder Pal Saggi

	<b>List of research associates From other institutions/ universities</b>	
		1

15.	<b>Number of Research Scholars/ Post Graduate students getting financial assistance from the Institution/State/ Central</b>	<b>Research Scholars</b>		
		Central	UGC RGNF	10
			CSIR NET JRF	01
			DRDO Project	03
		State Government	MP HED SC/ST	03
		<b>Post Graduate students (Post Metric Scholarship)</b>		
		Session	Number	
		2013-14	35	
		2014-15	16	
		2015-16	14	
		2016-17	27	
2017-18	25			

Note: *Compiled data for the last five years*