

## **Faculty profile**

### **Dr. Raj Kumar Verma**

*Assistant Professor and Coordinator of Botany,  
Department of Botany,  
Bundelkhand University Campus, Jhansi (UP)*



1. Name : Dr. Raj Kumar Verma
2. Father Name : Sri Deen Dayal Verma
3. Date of Birth : 01-01-1974
4. Category : OBC
5. Designation : Assistant Professor and Coordinator of Botany
6. Date of Joining : 24-01-2005
7. Department : Botany
8. Institute : Institute of Basic Science, Bundelkhand University.
9. Area of Specialization : \* Plant Ecology/ Forest Ecology  
\* Ethnobotany/ Medicinal plant  
\* Silviculture/ Agroforestry

### **1. Educational qualification:**

S.N.	Name of Examination	Board/ University	Year	Subjects
1.	High school	Board of High School and Intermediate education, Allahabad,(U.P.)	1990	All the subject of Science-II Group
2.	Intermediate	Board of High School and Intermediate education Allahabad,(U.P.)	1992	All the subject of Biology Group

### **Graduation:**

3.	B.Sc.	Bundelkhand University, Jhansi,U.P.)	1995	Zoology, Botany, Chemistry
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## Post-graduation:

4.	M.Sc.	Bundelkhand University, Jhansi,U.P.)	1997	Botany Specialization in applied Ecology
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## Doctorate:

5.	Ph.D.	Bundelkhand University, Jhansi (U.P.)	2003	Botany Specialization in plant ecology	Awarded
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## 2. Teaching Experience:

» Previous Services: 06 year and 01 one month teaching experience

S. N.	Designation	Institution	Department	Duration	Total Experience
1.	Lecturer (Part time)	Bipin Bihari (P.G.) college , Jhansi (U.P.)	Department of Silviculture	01.09.98 to 01.10.2001	03 year & one month
<i>(* Teaching at Graduate classes)</i>					
2.	Lecturer (SFS)	Bundelkhand University, Jhansi (U.P.)	Department of Agroforestry, Institute of Agricultural Sciences	06/10/2001 to 15/05/2003	01 year & 07 months
<i>(* Teaching at Graduate &amp; Post graduate )</i>					
3.	Lecturer (Part time)	Bipin Bihari (P.G.) college , Jhansi(U.P.)	Department of Silviculture	01/08/2003 to 20/01/2005	01 year & 05 months
<i>(* Teaching at Graduate classes)</i>					

(\* Nature of teaching)

» **Present Service: Teaching experience (15 years on 24.01.2020)**

<b>S. N.</b>	<b>Designation</b>	<b>Pay Scale</b>	<b>Department/ College/ University</b>	<b>Duration</b>	<b>Total Experience</b>
<b>1.</b>	<b>Assistant professor</b>	8000-13500/- Month	Department of Botany, Institute of Basic Science, Bundelkhand University, Jhansi (U.P.)	<b>24/01/2005 to continue</b>	<b>15 Years on 24.01.2020</b>

**3. Research Experiences:**

- » **Post Ph.D. research experience: 19 years**
- » **All over research experience including Ph. D.: 24 years**
- » **M.Sc. dissertation supervised: Seven (7)**
- » **M. Phil. dissertation supervised: Eighteen (18)**

**4. Publications:**

- » **Research paper/Article published in journals: 29**
- » **Abstracts published in Seminar/conference/symposium: 15**

**5. Seminar/conference/symposium attended: 12**

**6. University assignment/duties fulfilled:**

- ▶ **Centre superintendent** in annual examination-2018 at Ramrati Naubada Memorial Mahila Mahavidhayalya, Kurara, Hamirpur (UP)
- ▶ **Centre representative** in C.P.M.T. Examination-2011 conducted by Bundelkhand University, Jhansi (UP)
- ▶ **Centre Observer** in B.Ed. and B. P. Ed. Entrance Examination- 2005 conducted by Bundelkhand University, Jhansi (UP)

- ▶ **Checking Assistant** for checking of award list and other evaluation related work of Examination 2009-10 conducted by Bundelkhand University, Jhansi (UP)
- ▶ **Member of M. Phil. (Botany) Board of study** of Bundelkhand University, Jhansi (U.P.) from year 2008 to 2013.
- ▶ **Member of M.Sc. (Botany) Board of study** of Bundelkhand University, Jhansi (U.P.) in year 2008, 2009 & 2013.
- ▶ **Invigilator** of various entrance tests at Bundelkhand University, Jhansi (UP)
- ▶ **Collator** for declaration of M.Sc. and M.Phil. Botany result of Bundelkhand University, Jhansi (UP)
- ▶ **Member of event committee** Youth festival-2010 of Bundelkhand University, Jhansi (UP)
- ▶ **Evaluation** of B.Sc., M.Sc. and M. Phil. Answer copies of Bundelkhand University, Jhansi (U.P.).
- ▶ **Paper Setter** of B.Sc., M.Sc. and M.Phil. Examination of Bundelkhand University, Jhansi (U.P.).
- ▶ **External Examiner** for conducted B. Sc. And M. Sc. practical examination of Bundelkhand University, Jhansi (U.P.).
- ▶ **Internal Examiner** for conducted B. Sc. And M. Sc. practical examination of Bundelkhand University, Jhansi (U.P.).

## **7. Departmental assignment/duties completed**

- ▶ **Co.ordinator** : Working as Co.ordinator of Botany department, Bundelkhand University, Jhansi (UP)

- ▶ Worked as Member of time table committee, Botany department, Bundelkhand University, Jhansi (UP)
- ▶ Worked as Member of examination committee, Botany department, Bundelkhand University, Jhansi (U.P)
- ▶ Worked as Member of organization committee of 'National Conference on Role of Bio-diversity in sustainable agriculture' organized by Botany department, Bundelkhand University, Jhansi (UP)
- ▶ Worked as acting co-ordinator of Department of Botany
- ▶ Worked as acting Centre Superintendent (CS) for M.Sc. Botany Examination of University.
- ▶ Worked as acting Assistant Centre Superintendent (CS) for M.Sc. Botany Examination of University.
- ▶ Working as time-table incharge of department.
- ▶ Working as stock verification incharge of department.
- ▶ Worked as Examination in charge, Botany department, Bundelkhand University, Jhansi (U.P.)
- ▶ Worked as Member of tour committee, Botany department, Bundelkhand University, Jhansi (U.P.)
- ▶ Working as Coordinator of department of Botany since 02-01-2020

8. **External Examiner** of DDU University, Gorakhpur (U.P.)

9. **External Examiner** examination of CSJ University, Kanpur (U.P.)

10. **Fulfilled all other Academic and Administrative duties** given by Bundelkhand University, Jhansi (U.P.) time to time.

### ▶ **Research Experiences:**

#### **M.Sc. dissertation supervised: Seven (7)**

<u>S. N.</u>	<u>Year</u>	<u>Course</u>	<u>Title of Thesis (Name of students)</u>
1.	2005	M.Sc.	<b>Study on multipurpose trees of Jhansi district.</b> (Govind Narayan )

2.	2006	M.Sc.	<b>Ethno-medico-botanical survey of some villages of Jhansi District, U.P.</b> (Narendra Sharma)
3.	2006	M.Sc.	<b>Herbal remedies among 'Saharia' tribe of district Lalitpur (U.P.).</b> (Ritu Jain)
4.	2007	M.Sc.	<b>Ethno-medico-botanical survey of Banguwa forest of Jhansi district, U.P.</b> (Rajni Tiwari)
5.	2007	M.Sc.	<b>Ethno-medicinal value of some plants species used by local/rural community of Datia district, M.P.</b> (Mubarik Ahmad Itoo)
6.	2008	M.Sc.	<b>Ethno-veterinary value of some plant species utilized by rural people of Jhansi district, Bundelkhand region.</b> (Bilal ahmad Dar)
7.	2008	M.Sc.	<b>Ethno-medicinal utilization of some plants in skin disease in some villages of Jhansi district.</b> (Shibali Purohit)

► **M. Phil. dissertation supervised: Eighteen (18)**

<u>S. N.</u>	<u>Year</u>	<u>Course</u>	<u>Title of Thesis (Name of students)</u>
1.	2008	M. Phil.	<b>Phytosociological study of woody vegetation of some forests of Jalaun District with special reference to their utilization significance.</b> (Ghan Shyam)
2.	2009	M. Phil.	<b>Availability of plant species in some villages of Mahoba District with special reference to their utilization</b> (Kirti Kiran)

3.	2009	M. Phil.	<b>Diversity of woody vegetation on different land used patterns in some villages of Raebarely district with special reference to their Utilization.</b> (Saurabh Verma)
4.	2010	M. Phil.	<b>Quantitative analysis and diversity of woody species in forest of Jalaun district.</b> (Ajay Kumar)
5.	2010	M. Phil.	<b>Ethno-medicinal values of some edible plants of district Jhansi.</b> (Vijay Kumar)
6.	2010	M. Phil.	<b>Ecological studies on a forage cop species (Avena sativa L.) with special reference to soil moisture regimes, nitrogen level, and spacing in Bundelkhand region.</b> (Kuldeep Kumar Yagik)
7.	2010	M. Phil.	<b>Studies on ethno-medicinal plants used by traditional practionars in district Lalitpur.</b> (Vinod kumar)
8.	2011	M. Phil.	<b>Traditional knowledge of medicinal plants used by rural community for treatment of different ailments in Jalaun district of Bundelkhand.</b> (Noopur Saxena)
9.	2011	M. Phil.	<b>Traditional plant based therapy among rural community of some villages of Baramulla district of ( Jammu and Kashmir ).</b> (Javaid Yousuf)
10.	2011	M. Phil.	<b>Medicinal plant used by rural community of some villages of Kanpur district (U.P.)</b> (Chandra Kishor Tripathi)
11.	2011	M .Phil.	<b>Ethno-veterinary medicines used by rural livestock owners for treatment of different ailments in Jalaun district of Bundelkhand region.</b> (Swati Kausal)

12.	2012	M. Phil.	<b>Traditional knowledge on ethno-medicinal uses prevailing in some villages of Jabalpur district of Madhya Pradesh</b> (Shalini Sharma)
13.	2012	M. Phil.	<b>Traditional knowledge of medicinal plants used by rural community for treatment of different ailments in Hamirpur district of Bundelkhand</b> (Anju Yadav)
14.	2013	M. Phil.	<b>Study of ethnomedicinal potential of some plants used by rural inhabitants in villages of Mahoba District, U.P.</b> (Archana Kevat)
15.	2013	M. Phil.	<b>Study of ethnomedicinal potential of some plants used by rural inhabitants in villages of Faizabad District, U.P.</b> (Reena Chaudary)
16.	2013	M.Phil.	<b>Utilization of aquatic plants as phyto-remediation for treatment of waste water</b> (Amit Panday)
17.	2013	M.Phil.	<b>Study of ethnomedicinal potential of some plants used by rural inhabitants in villages of datia district, madhya Pradesh.</b> (Namrta Sahu)
18.	2014	M.Phil.	<b>Traditional plant based therapy among rural community of some villages of Pilibit district of Rohilkhand region.</b> (Divya Verma)

► **Ph.D. thesis supervised:**

- One awarded on the topic “ *PHYTOREMEDIATION BY PLANTS FOR MANAGERMENTS OF WATER QUALITY OF AQUATIC SYSTEM* ” (Scholar Name : Amit Pandey)
- 01 Ph.D. students is doing research under my supervision. (Scholar Name : Ajay Kumar)

► **List of Publications:**

**Research paper/Article published in journals:**

1.	<b>R. K. Verma, Krishna Anand and S.R. Gupta (1999).</b> A review on Bundelkhand forest communities. <i>Flora and Fauna</i> 5(1): 37-39.
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2.	Krishna Anand, <b>Raj Kumar Verma</b> and S.R. Gupta (2000). Floristic composition and life form of a mixed dry deciduous forest of central India. <i>Flora and Fauna</i> 6 (2): 79- 81.
3.	<b>Raj Kumar Verma</b> , Vinod Kumar and S.R. Gupta (2007). Reproductive phenology of trees species in a mixed dry deciduous forest Orchha, Madhya Pradesh. <i>Journal of Tropical Forestry</i> 23 (I&II): 47-55
4.	<b>Raj Kumar Verma</b> , Vinod Kumar, R. K. Agarwal and S.R. Gupta (2007). Diversity of leaf phenology of tree species in a mixed dry deciduous forest Orchha, Madhya Pradesh. <i>Annals of Forestry</i> 15 (2): 207-219.
5.	<b>Raj Kumar Verma</b> , Vinod Kumar and S. R. Gupta (2008). Some ethno-medicinal plants used for various skin ailments in villages of Jhansi. <i>International Journal of plant Sciences</i> 3 (1):273-276.
6.	<b>R.K. Verma</b> , Vinod Kumar and R. K. Agarwal (2008) .Ethno-medicinal value of some plants used by Sahariya tribe of Lalitpur district, Bundelkhand region. <i>Annals of Forestry</i> 16(1): 99-111.
7.	<b>R.K. Verma</b> , Vinod Kumar and S.R. Gupta (2009). <i>Boerhaavia diffusa</i> Linn. : a miraculous herb for human health care. <i>The Botanica</i> 57: 19-27.
8.	Prashant Kumar Singh, R. H. Singh, Vinod Kumar and <b>R. K. Verma</b> (2009). Medicinal plants used by tribal inhabitants of Muirpur block of District Sonebhadra, Uttar Pradesh, India. <i>Flora and Fauna</i> 15 (2): 211-215.
9.	Bilal Ahmad Dar, <b>Raj Kumar Verma</b> and Anaiat-ul-Haq (2011). Ethno Veterinary value of some plant species utilized by rural people of Jhansi district, Bundelkhand region. <i>Res. J. Agri. Sci</i> 2(2):321-324.
10.	Javaid Yousuf, <b>Raj Kumar Verma</b> and Hamidullah Dar (2012). Traditional plant based therapy among rural communities of some villages of Baramulla district ( <b>Jammu and Kashmir</b> ). <i>Journal of Phytology</i> 4 (5): 46-49.
11.	<b>Vinod Kumar, Alok Krishna, Verma R. K. and Singh P.</b> (2013). An inventory of medicinal plants used in traditional healthcare practices in Bundelkhand region of central India. <i>International Journal of Current Research</i> 5 (02): 27-36.
12.	<b>R. K. Verma</b> , Piyush Paul, V. Kumar, Kuldeep Yagik, Vinod Gupta (2013). Biodiversity of ethnomedicinal plants used by traditional healers in remote villages of Datia District of Bundelkhand region, India <i>The Journal of Ethnobiology and Traditional Medicine</i> (Photon) 118: 269-278.
13.	<b>Raj Kumar Verma</b> (2014). An ethnobotanical study of plants used for the treatment of livestock diseases in Tikamgarh District of Bundelkhand, Central India. <i>Asian pacific journal of tropical biomedicine</i> 4 (Suppl 1): S 460-S467.
14.	<b>Raj Kumar Verma</b> (2014). Ethno-medicinal potentials of <i>Achyranthes aspera</i> Linn.

	(Amaranthaceae). <i>International journal of scientific research</i> 3 (6): 55-60.
15.	Aqsa Parveen and Raj Kumar Verma (2014). Ethnomedicinal utilization of some tree and shrub by rural inhabitants of Jhansi District of Bundelkhand region, India. <i>International Journal of Current Research</i> 6 (05): 6558-6563.
16.	Nupur Saxena, V. K. Yadav and R.K. Verma (2014). Traditional knowledge of medicinal plants used to cure gastro intestinal problems in Jalaun district of Uttar Pradesh, India. <i>Journal of Medicinal Plants Studies</i> 2 (4): 24-28.
17.	Amit Pandey, R.K. Verma, J. Mohan and N. Mohan (2014). Utilization of <i>Cladophora</i> aquatic plant as phytoremediation for treatment of effluent. <i>Trends in Biosciences</i> 7(23): 4046-4048.
18.	Amit Pandey, R.K. Verma, J. Mohan and N. Mohan (2015). Utilization of <i>Azolla</i> aquatic plant as phytoremediation for treatment of effluent. <i>International Journal of Applied Research</i> 1(2): 28-30.
19.	Verma, R.K., Verma, R. K. and C. S. Dhanai (2016). Vegetative growth and yield performance of <i>Cassia angustifolia</i> var. CIM-Sona under seven year old <i>Emblca officinalis</i> Gaertn. based Agroforestry system. <i>International Journal of Current Research</i> 8 (06): 32904-32910.
20.	Raj Kumar verma and Divya verma (2016). Traditional plant based therapy among rural communities of some villages of Pilibhit district of Rohilkhand division, India. <i>International Research Journal of Biological Sciences</i> 5 (5): 1-13.
21.	Raj Kumar verma (2016). Ethnomedical knowledge of plants used by elderly learned and experienced knowledgeable persons in remote villages of Jhansi and Lalitpur districts of Bundelkhand region, India. <i>International journal of plant sciences</i> 11 (2):345-354.
22.	Jitendra Mohan, Narendra Mohan, R.K. Verma, and Amit Pandey (2017). Influence of iron chelate on improvement of <i>Eichhornia</i> plant used as phytoremediation treatment of wastewater. <i>Trends in biosciences</i> 10(9):1781-1783.
23.	Amit Pandey and R. K. Verma (2018). Nutritional composition, Taxonomical and phytoremediation status of Duckweed ( <i>Wolffia</i> ): Review. <i>Annals of Plant Sciences</i> 7.1: 1928-1931.
24.	Amit Pandey and R.K. Verma (2018). Performance Evaluation and Remediation of Waste Water by <i>Typha</i> Plant. <i>International Journal of Technical Innovation in Modern Engineering &amp; Science</i> 4(12):01-04.
25.	Amit Pandey and R.K. Verma (2018).Taxonomical and pharmacological status of <i>Typha</i> : A Review. <i>Annals of Plant Sciences</i> 7.3: 2101-2106.
26.	Amit Pandey, RK Verma, Jitendra Mohan (2020). Assessment of growth and composition of aquatic plant <i>Wolffia Globosa</i> (L.). <i>International Journal of Botany Studies</i> 5 (5): 409-414.
27.	Amit Pandey and R. K. Verma (2020). Assessment of the efficiency of <i>Ceratophyllum demersum</i> in waste water treatment. <i>Bulletin of Environment, Pharmacology and Life Sciences</i> 9(4): 117-123.

28.	Amit Pandey, <b>R.K. Verma</b> , Jitendra Mohan (2021). Phytoremediation of wastewater using <i>Typha latifolia</i> (L.). <i>International Journal of Botany Studies</i> 6(1): 540-546.
29.	Ajay Kumar and R. K. Verma (2022). Phytosociological Analysis and Distribution Pattern of Woody Species in Selected Forests of Jalaun District, Uttar Pradesh. <i>Res. Jr. of Agril. Sci.</i> 13(4): 1055-1061.

### ➤ Book Chapters :

1. Amita Mishra and **Raj Kuamt Verma** (2022). Traditional plant based therapy among rural inhabitants of some villages of Jhansi district of Bundelkhand. **In : *Scope and challenges of Science engineering and technology published by ANVI BOOKS & PUBLICATIONS, DELHI-110053(INDIA) pages : 157-166. ( ISSN/ISBN – 978-93-90856-29-9)***

### ▶ Abstracts published in Seminar/conference/symposium:

1. S.R. Gupta, **Raj Kumar Verma** and Nidhi Saxena.1999. Development of wasteland by seed technological, silvipastoral practices and opportunities for youths. **Souvenir and Abstracts : National seminar on seed technology** (Nov.19-20. 1999) organized by Directorate of Agricultural and Motilal Vigyan Mahavidyalaya, Bhopal (M.P.): pp 105-107. (Extended abstract)
2. S.R. Gupta, **R.K. Verma** and Krishna Anand. 1999. A research note ethno-botanical study of Orchha forest (Distt. Tikamgarh). **Abstracts : Bundelkhand Samaj Srajan Sambad** (Nov. 13-18, 1999) organized by Patriotic and People- Oriented Science & Technology Foundation held at Orchha, Tikamgarh (M.P.): pp 36-37.
3. Krishna Anand, **Raj Kumar Verma** and S.R. Gupta. 2000. Floristic composition and life form of a mixed dry deciduous forest of central India. **Abstracts and Souvenir : Ist National Conf. On Recent Trends in Life Management (22-23 Oct.2000)**, Bipin Bihari (P. G.) College, Jhansi: p.12.
4. S.R. Gupta, **R.K. Verma** and Krishna Anand. 2001. Bundelkhnad Kee Van Sampada. **Abstracts and Souvenir :Bharat Me Vikas Sudharo Par Sambad** (March 04 ,2001). Partyatan Evam Sanskriti Mantryalaya, Sanskriti Vibhag, Lok Bharti, (U.P.) held at Govtt. .Museum, Jhansi (U.P.).
5. **Raj Kumar Verma** and S.R. Gupta. 2002. Soil fertility status in a mixed dry deciduous forest of Bundelkhand region. **Abstracts: National Symposium on Grassland and Fodder Research in the New Millennium** (30 Oct.-01Nov. 2002). RSMI, IGERI, Jhansi: pp 224-226.
6. **Raj Kumar Verma** and S.R. Gupta. 2004. Seasonal pattern of leaf litter production

in a mixed dry deciduous forest of Bundelkhand. **Abstracts:** *National Seminar on Bio-resources Awareness & Management of Urban Wastes* (6-7 Nov. 2004), Bipin Bihari (P. G.) College, Jhansi U.P.: p 68.

7. **Raj Kumar Verma**, Vinod Kumar and S.R. Gupta. 2005. Medico-botanical wealth of Bundelkhand. **Abstracts** : *2<sup>nd</sup> International Conf. On Recent Advances in Bio-medical and Therapeutic Sciences* (6-8 January 2005).Bundelkhand University, Jhansi (U.P.): P III- 59.
8. Vinod Kumar, Garauv Nigam ,**Raj Kumar Verma** and S.R. Gupta. 2005. Utilization of neem for it's pesticidal and pharmacological properties. **Abstracts:** *2<sup>nd</sup> International Conf. On Recent Advances in Bio-medical and Therapeutic Sciences* (6-8 January 2005).Bundelkhand University, Jhansi (U.P.): P III- 60.
9. Gaurav, Nigam, **R.K.Verma**, R.K.Agarwal and Mukesh 2006.Knowledge and uses of Ethno-veterinary medicinal plants used by rural peoples n Jhansi district (Uttar Pradesh) India. *Proceeding and Souvenir:* National conference on medicinal and aromatic plants: Global perspective. UGC sponsored national conference 17-18 February 2006 held at Janta Vediv College, Baraut, Baghpat, (U.P.).
10. Ajay Kumar, **R.K. Verma** and Kuldeep Yagik 2011.Bio-diversity and importance of multipurpose plants of mixed dry deciduous forest of Jalaun district of Bundelkhand region. *In Abstracts:* National symposium on Integrated farming systems for sustainable Agriculture-Challenges and opportunities. (19-21 February 2011).Organized by Institute of Agricultural Sciences Bundelkhand University Jhnasi (UP).
11. **Raj Kumar Verma** (2013). Environmental issues and challenges: A need for new thinking. In: National Seminar- *Academic Design - A need for new thinking (05-01-13)* Organized by UGC-ASC, Lakshmibai National University of Physical Education Gwalior (M.P.).
12. Vinod Kumar Gupta , **R.K.Verma and** Kuldeep Yagik (2013). Biodiversity of ethno-medicinal plants used by traditional healers of villages Lalitpur District of Bundelkhand region, India. *In Abstract or Souvenir of National Seminar on Biodiversity (March 2013)*, Organized by Bipin Bihari College, Jhansi.
13. Kuldeep Yagik, **R.K.Verma and** Vinod Gupta (2013). Biodiversity of ethno-veterinary medicinal plants used by farmers of villages Lalitpur District of Bundelkhand region, India. *In Abstract or Souvenir of National Seminar on Biodiversity (March 2013)*, Organized by Bipin Bihari College, Jhansi.
14. **Raj Kumar Verma** and Namrta Sahu (2015). Study of Ethnomedicinal Potential of Some Plants Used by Rural Inhabitants in Villages of Datia District, Madhya Pradesh. *J. Biomed. Ther. Sci.*, 2014, 1(1) p.91

15. **Raj Kumar verma (2016)**. An overview on chemical constituents and their pharmacological actions in *Phyllanthus fraternus* webster. (Bhui Aonla). **In: Abstract or Souvenir of International conference on recent advances in material and chemical sciences** (March 2-5 2016), Organized by department of Chemistry, Bundelkhand University Jhansi.

► **Seminar/conference/symposium attended:**

1. **National seminar on seed technology** (Nov.19-20. 1999).Directorate of Agricultural and Motilal Vigyan Mahavidyalaya, Bhopal (M.P.).
2. **Bundelkhand Samaj Srajan Sambad** (Nov. 13-18, 1999) organized by Patritic and People- Oriented Science & Technology Foundation held at Orchha,Tikamgarh (M.P.)
3. **Ist National Conf. On Recent Trends in Life Management** (22-23 Oct.2000), Bipin Bihari (P. G.) College, Jhansi (U.P.).
4. **Bharat Me Vikas Sudharo Par Sambad** (March 04 ,2001). Partyatan Evam Sanskirti Mantryalaya, Sanskirti Vibhag,Lok Bharti, (U.P.) held at Govtt. Museum, Jhansi (U.P.).
5. **International Conf. On Recent Advances of Bio-medical and Therapeutic Sciences** (6-8 Jan., 2005).Bundelkhand University, Jhansi (U.P.).
6. **Workshop on Nano-technology Ke Yug Ka Uday** (14 March,2008) held at Department of physics, Bundelkhand University, Jhansi (U.P.).
7. **National symposium on Integrated farming systems for sustainable Agriculture-Challenges and opportunities.** (19-21 Feb. 2011).Organized by Institute of Agricultural Sciences Bundelkhand University Jhnasi (U.P.), india.
8. **National Seminar- Academic Design - A need for new thinking (05-01-13)**. Organized by UGC-ASC, Lakshmibai National University of Physical Education Gwalior (M.P.).
9. International conference on- **Recent advances in material and chemical sciences** (March 2-5 2016, Jhansi, U.P.) Organized by department of Chemistry, Bundelkhand University Jhansi.
10. National Seminar on-**“Conservation of energy, economy and environment: Future**

*Strategies*” organized by Govt. Post-graduate (Autonomous) College, Datia (M.P.) on 31<sup>st</sup> March 2017.

11. National symposium on **DNA Technology & Nanotechnology: Will It Change Medical Science in Future & NABL Accreditation Awareness Programme** (October 01, 2018) organized by Innovation Centre & Institute of Biomedical Science, Bundelkhand University, Jhansi in collaboration with Smt. Vidyawati group of Institution, Jhansi.
12. Awareness seminar entitled – “**e Learning and MOOCs in Higher Education**” organized by **Guru Angad Dev Teaching Centre of MHRD, SGTB Khalsa College, University of Delhi and Bundelkhand University, at Jhansi on 24<sup>th</sup> January 2019.**

► **Participation in faculty development programs, trainings and workshops:**

1. **Orientation program:** Twenty eight (11 December 2012 to 07 January 2013) days orientation program attended at *University Grants Commission-Academic Staff College, Lakshmibai National University of Physical Education, Gwalior (M.P.)*. Sponsored by University Grants Commission
2. **Faculty development program:** Seven days faculty development program (01 to 07 September 2014) organized by *IQAC, Bundelkhand University, Jhansi (U.P.)*.
3. **Inspire Internship program:** Seven days (13 to 18 December 2010) Inspire Internship Program of *Department of Science and technology New Delhi* held at Bundelkhand *University, Jhansi (U. P.)*.
4. **Training Workshop:** On day (December 06, 2014) training workshop related to library Organized by *Bundelkhand University, Jhansi (U.P.)*.
5. **Faculty Training Programme:** Four days (October 02 to 06, 2018) Faculty Training Programme on Advance Scientific Research Equipments organized by Innovation Centre, Bundelkhand University, Jhansi (UP).

► **Research institute/Centre/Natioanal parks of**

## **Botanical interest visited :**

**1. Forest Research Institute (FRI), Dehradun.**

*(An Institute of the Indian Council of Forestry Research and Education, India)*

**2. The National Botanical Research Institute, Lucknow.**

*(An Institute of the Council of Scientific and Industrial Research)*

**3. Indian Grassland and Fodder Research Institute, Jhansi.**

*(An Institute of the Indian Council of Agricultural Research)*

**4. Central Agroforestry Research Institute, Jhansi.**

*(An Institute of the Indian Council of Agricultural Research)*

**5. State Forest Research Institute, Jabalpur, (M.P.).**

**6. Tropical Forest Research Institute, Jabalpur, (M.P.).**

*(An Institute of the Indian Council of Forestry Research and Education, India)*

**7. Kanha National Park, Mandala, (M.P.).**

**8. Madhav National Park, Shivpuri, (M.P.).**

**9. Orchha Nature Reserve, Orchha, Tikamgarh, (M.P.).**

**10. Panna tiger reserve, Panna, (M.P.).**

**11. Karera bird century, Shivpuri, (M.P.).**

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