

# **DR. RAJENDRA PRASAD**

**M.Sc. M.Phil. Ph.D.**

**Associate Professor in Botany**

**Department of Botany**

**Government College Bundi, Rajasthan, India**

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## **Currently working**

1. At Present working as Associate Professor in Botany, Department of Botany, Government College Bundi, Rajasthan, India from October 2008 to till now.
2. Presently also working as District Coordinator of Vardhman Mahaveer Open University Kota, Study Centre Bundi, Rajasthan from March 2021 to till now.
3. Presently also working as District Coordinator of National Service Scheme (NSS) from Feb 6, 2023 to till now.
4. Presently also working as District Coordinator of I-start programme (Department of Information Technology & Communication) from 2022 to till now.
5. Counsellor (Botany) of Vardhman Mahaveer Open University, Kota, Rajasthan.

## **Experience**

6. Four-year (2010-2014) experience as outstanding 'NSS Program Officer' of Unit-I of National Service Scheme.
7. Two-year research experience in Radioprotection and Drug development Department, Institute of Nuclear Medicine, and Allied Sciences (INMAS), Defence Research & Development Organization, Ministry of Defence (Delhi).

## **Research Field**

- **Phytochemistry, Ethnobotany and Plant pathology.**

## **Academic qualification**

- **Doctor of Philosophy (Ph.D.)** in Botany from University of Kota, Kota Rajasthan, in 2020.  
**Ph.D. Title- Comparative Phytochemical Analysis of some climbers in and around Mej river.**

- **Master of Philosophy (M.Phil.)** in Botany from University of Kota, Kota Rajasthan, in 2005. **M.Phil. Dissertation Title- An Assessment of Floristic Diversity of Ramgarh Vishdhari Wild Life Sanctuary of Bundi, District of Rajasthan.**
- M.Sc. Botany with I<sup>st</sup> division from University of Kota, Kota Rajasthan, in 2004.
- B.Sc. Biology with I<sup>st</sup> division from M.D.S.University, Ajmer in 2002.
- Senior Secondary with IInd division from Board of Secondary Education, Rajasthan, Ajmer in 1999.
- Secondary with I<sup>st</sup> division from Board of Secondary Education, Rajasthan, Ajmer in 1997.
- RSCIT Computer Course in VMOU Kota Rajasthan, India

## **Awards:**

- 🏆 **SLS Recognition Award 2022** awarded in recognition of outstanding academic and achievements in the field of Life Sciences on International Conference on “Recent Advances in Research in Research and Innovations in Life Sciences” organised by Mata Gujri Mahila Mahavidyalaya (autonomous), Jabalpur (M.P.).
- 🏆 **Certificate of appreciation for dedication and commitment to the students’ mentorship in the field of innovation on 20-08-2022.**
- 🏆 **Certificate of appreciation for contribution as a subject expert in the “Gyanparakh Programme” awarded by Sandesh Nayak, IAS Commissioner Department of College Education. “Gyanparakh Programme” organised by the Commissionerate of College Education Jaipur, Rajasthan in 2020-2021.**
- 🏆 **National Service Scheme State Level Program Officer Award Year 2012** for Outstanding social work, awarded by Director, College Education Jaipur, Rajasthan. 2011-2012
- 🏆 Prashsti Patra for Outstanding Work in District Bundi, Rajasthan in year 2014 awarded by District Traffic Officer Bundi.
- 🏆 Prashsti Patra for Outstanding Work in District Bundi, Rajasthan in year 2013 awarded by District Traffic Officer Bundi.
- 🏆 Prashsti Patra for Outstanding Work in District Bundi in year 2012 awarded by District Youth Coordinator Bundi.
- 🏆 **Laboratory Technology Group Award 2007** awarded to Department of Radiation Biology and his team for significant contribution in the area of development of herbal Radioprotective drug for human application Institute of Nuclear Medicine & Allied Sciences Defence research & Development Organisation, Ministry of Defence, Delhi.

## Membership of the Professional Bodies: -

- ❖ **Honorary Fellowship F.S.L.Sc. Awarded for Outstanding Contribution In the field of Life sciences in year 2014.**
- ❖ Life Member of the Indian Botanical Society, Bareilly.
- ❖ Annual member of The Indian Science Congress Association Kolkata.
- ❖ Annual member of The Microbiologists society. India

## Research scholars under supervision- 03

S.No.	Name of the Scholar	Title of Ph.D.	Status
1	Laxmi Sharma	Comparative Phytochemical Screening of Bioactive constituents of some climbers around Mangali river Bundi (Rajasthan)	On going
2	Ajay Kumar Meena	Phytochemical studies of selected plant species (family Cucurbitaceae) in and around Bardha Dam catchment area in Bundi district, Rajasthan	On going
3	Balchand Baswal	Ethnomedicinal observation and phytochemistry of some important medicinal plant of selected areas of Jhalawar district (Rajasthan)	Thesis Submitted

## Books/Chapter in Books:-03

1. **Medicinal Plants in and around the Mej river, Rajasthan, Raj Publishing House, Jaipur, 2020 (ISBN: 978-93-88997-27-0) Pp: 1-115.**
2. Tribal Communities and their role in environmental protection with special reference to sacred forests, 2020 First Edition, Pp 125-141, (ISBN: 978-93-88997-17-1)
3. Impact of Anthropogenic Activities on the Ecosystem of Mej River, 2021 First edition, Pp173-179, (ISBN: 978-93-90778-06-5).
4. **आर्थिक वनस्पति विज्ञान, प्रथम संस्करण-2023, ISBN-97893946853527**  
राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर

## Research Citation: on 21-03-2024

**Google Scholar-**

**Citation -32, h-index -04**

**Research Gate**

**Citation -37, h-index -04**

## Publications: -20

- 🌐 **Rajendra Prasad**, Dilip Kumar Sharma & Dilip Kumar Rathore (2023) A Study on Angiospermic Diversity of Vardhman Mahaveer Open University Campus, Kota (Rajasthan), *Jour. Pl. Sci. Res.* 38 (2)835–845.
- 🌐 Balchand Baswal, O.P. Sharma, **Rajendra Prasad** (2022) Quantitative Analysis of Primary and Secondary Metabolites in Fruits of *Balanites aegyptiaca* (L.) Delile, *International Journal of Research and Analytical Reviews (IJRAR)*, 9 (4) 806-811.
- 🌐 Balchand Baswal, O.P. Sharma, **Rajendra Prasad** (2022) Qualitative Analysis of Primary and Secondary Metabolites in *Euphorbia hirta* L., *International Journal for Science and Advance Research in Technology (IJSART)*, 8 (9) 91-96.
- 🌐 Balchand Baswal, O.P. Sharma, **Rajendra Prasad** (2022) Mythological Beliefs (*Desi Totke*): Healing by Plants by Local Communities of Jhalawar District, Rajasthan (India), *Journal of Emerging Technologies and Innovative Research (JETIR)*, 10 (10) 25-30.
- 🌐 **Rajendra Prasad** (2021) Phytochemical screening for various secondary metabolites of *Cocculus hirsutus* (Stem, Leaf and Fruit Ethanolic Extracts), *Naveen Shodh Sansar*, 1(XXXIV): 18-23.
- 🌐 **Rajendra Prasad** (2021) Sacred Groves of Hadoti Region: A Case Study of Tehsil Hindoli, District Bundi, Rajasthan, *International Journal of Innovative Research in Science Engineering and Technology*, 10(6): 7355-7360.
- 🌐 **Rajendra Prasad** (2021) Phytochemical studies on Ethanolic Extract (Stem, Leaf and Fruit) of Indian Traditional Medicinal Climber "*Cocculus hirsutus*", *Anthology: The Research*, 6(4): E4-E10
- 🌐 **Rajendra Prasad** & O.P. Sharma (2020) *Cayratia trifolia* (L.) Domin: A qualitative analysis for Secondary metabolites of medicinal properties, *International Journal of Research and Analytical Reviews (IJRAR)*, 07(04):38-44. **2021**
- 🌐 **Rajendra Prasad** & O.P.Sharma (2019) Qualitative analysis of ethanolic extract of *Cayartia trifolia* (Medicinal Climber) for profiling primary metabolites, *Remarking An Analisation* 04(2):E29-E35.2019
- 🌐 **Rajendra Prasad**, (2018) Studies on the plant diversity in the Government Post Graduate College Campus, Bundi, (Rajasthan). *Asian Resonance*, 7, 4(1): 67-70.

- 🌐 **Rajendra Prasad** & O.P.Sharma (2019) Qualitative test on ethanolic extract of *Coccinia indica* for profiling Secondary metabolites, *International Journal of Scientific Research and Review*, 07(1):147-152.
- 🌐 **Rajendra Prasad**, O.P.Sharma (2018) Qualitative Test of Ethanolic Extract of Climber *Coccinia indica* for Primary Metabolites, *Remarking An Analisation*, 3(5):131-134.
- 🌐 Manoj Kumar Rawat, P.C.Bhati, **Rajendra Prasad** , 2017. Antimutagenic activity of Gallic acid on the growth of mutagenized *Rhizobium meliloti* cultures. *International Journal of Advanced Research in science and Engineering*, 6 (01):651-653.
- 🌐 प्रज्ञा गौतम एवं **राजेन्द्र प्रसाद** 2018 राजस्थानी औषधीय पौधे, विज्ञान प्रगति फरवरी 2018 42–43.
- 🌐 **Rajendra Prasad** , 2016. Use of Certain medicinal plants for the treatment of various Skin disorders by tribes and nomadic groups residing in the Mej river catchment area, Rajasthan. *National Journal of Life Science*, Vol.13 (2) 2016:127-128.
- 🌐 **Rajendra Prasad**, O.P.Sharma, 2015. Plant Species Used as ‘Bidi Leaves’ in India A non-Timber Forest product, *Asian Resonance* Vol-IV Issue–II, 01-03.
- 🌐 **Rajendra Prasad**, 2014. Studies on the Diversity of the tree species in the Ramgarh Vishdhari Wildlife Sanctuary Bundi, Rajasthan, *Asian Resonance* Vol-III Issue –I, 53-54.
- 🌐 **Rajendra Prasad**, 2014. मेज नदी के जलग्रहण क्षेत्र के आदिवासी समुदायों द्वारा उपयोग में लिये गये पादपो के औषधीय गुणों का अध्ययन. *Shodh Shree (Journal of Multidisciplinary Research April-June)* 2013 Vol.VII :65-69.
- 🌐 Manoj Kumar Rawat, P.C.Bhati, **Rajendra Prasad Meena**, 2013. Antimutagenic effects of vitamin-E against diethyl sulphate induced toxicity in *Trigonella foneum–graecum* L. in *Shodh Shree (Journal of Multidisciplinary Research April-June)* 2013 Vol.VII :61-64
- 🌐 Manoj Kumar Rawat, **Rajendra Prasad Meena**, 2013. Evaluating antimutagenic effects of vitamin-C and L - cysteine alone and in combination towards sodium azide-induced toxicity in *Trigonella foneum–graecum* L. in *South Asian Journal of Experiment Biology*;(3):127-130.

### **Refresher Courses: 3**

- 🌐 Participated in Refresher course in West Asian Studies (Interdisciplinary) held on 30 Dec 2020 to 12 January 2021 on UGC-Human Resource Development Centre, Jamia Millia Islamia, New Delhi. 2020-2021
- 🌐 Participated in UGC sponsored Refresher Course from 11.05.2016 to 31.05.2016 and obtained Grade ‘A’, held at University of Kota 2015-2016
- 🌐 Participated in UGC sponsored Refresher Course in the subject Life Sciences from 25.07.2013 to 14.08.2013 and obtained Grade ‘A’ in held at M.D.S University Ajmer.2013-2014

## **Short term Courses: 2**

- 🌐 Participated Gyan ganga short-term on-line training program in jointly organized by Commissionerate college education Rajasthan and M.S.J. (P.G.) College, Bharatpur (Raj.) from 25/01/21 to 31/01/21.2020-2021
- 🌐 Participated in UGC sponsored short term Course on Academic Administration from 03.02.2020 to 08.02.2020 and obtained Grade 'A' in held at M.D.S University Ajmer.2019-2020

## **Orientation Courses: 1**

- 🌐 Participated in UGC sponsored Orientation Course from 14.09.2010 to 11.10.2010 and obtained Grade 'A' in held at M.D.S University Ajmer.2010-2011

## **Training Programme/Workshop: 6**

- 🌐 Participated in the 'Orientation Workshop for Chief Co-ordinator/Co-ordinator's held on 23.03.2023 organized by Vardhman Mahaveer Open University, Regional Centre Jaipur.
- 🌐 Successfully completed 4 weeks Massive open on-line course (MOOC) on "Introduction to Photography" with 96.67% organised by Indian institute of Information Technology Kota collaboration with Commissioner Department of College Education Rajasthan.
- 🌐 Participated in Mid carrier One day training program held on 12 March 2021 organized by HCM Rajasthan State institute of Public Administration.2020-2021
- 🌐 Participated in Mid carrier training Program (On line training) held on 14 Dec to 18/12/2021 organized by HCM Rajasthan State institute of Public Administration. 2020-2021
- 🌐 Participated in faculty training program on Virtual platforms for teaching and learning (VPTL) on 27-28 August 2020 at Indian institute of Information Technology, Kota. 2020-2021
- 🌐 Participated in the Libre Office Suite Impress training organized at Government College, Bundi in January 2017 semester, with course material provided by the Spoken Tutorial Project, IIT Bombay. This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.2016-2017
- 🌐 Participated in Rajasthan State AIDS control Society- Sponsored one day State Level NSS/RRC workshop at Hotel Vista International, Jaipur on 26 August,2014.

## **Faculty Development Programme: 2**

- 🌐 Completed Two weeks FDP on managing online classes and co-creating Moocs:2.0 from May 18- June 03, 2020 conducted by Ramanujan College Delhi 2019-2020

- Completed Two weeks FDP on ICT Tools for effective teaching learning from April 27- May 02, 2020 conducted by Swami Ramanand Teertha Marathwada University Nanded. 2019-2020






### **Minor Research Project:1**

- Completed UGC-Sponsored Minor Research Project entitled “An Ethanobotanical study among the tribal and nomadic communities residing in the catchment area of the Mej River in Rajasthan.”

### **Invited lecture**

- Invited for lecture in International **Conference** held on 17-19 November 2022 **organised by Mata Gujri Mahila Mahavidyalaya (autonomous), Jabalpur (M.P.)**. in Collaboration with Bhopal chapter, The national academy of sciences. India (NASI) & The society of life sciences (SLS) in Association with IQAC, Rani Durgavati Vishwavidyalaya, Jabalpur.
- Invited for lecture for imparting his valuable Insights, Inspirations and Knowledge (Invited Lecture) on “**Role in microbes in Environment**” in MBSI Bundi unit programme in Govt. College Bundi.
- Rajendra Prasad Assistant Professor, Government College, Bundi for imparting his valuable Insights, Inspirations and Knowledge (Invited Lecture) on “**E-content Development Using Android: WPS**” in the State Level Workshop cum Training Programme titled “E-Content: Development and Delivery”, organized on 10th & 11th August 2020 and enriched its quality by his innovative and meaningful ideas. **2020-2021**
- Invited for lecture in the seven-day NSS camp organized by the National Service Scheme unit of Government Girls College Bundi, and lecture was given on the topic of **water pollution and public awareness** on date 21/12/2018, Session **2018-2019**
- Invited for lecture in the Youth Development Center, Government Girls College, Bundi Rajasthan and lecture was given on the topic of **Shodhganga: A Reservoir of Indian thesis** on date 15/12/2018, **2018-2019**
- Invited for lecture in the seven-day NSS camp organized by the National Service Scheme unit of Government Girls College Bundi, and lecture was given on the topic of युवा चेतना व राष्ट्र विकास on date 23/12/2018, **2018-2019**














-  Invited for lecture in the Youth Development Center, Government Girls College, Chomahala, Jhalawad and lecture was given on the topic of **जीवन में सफलता कैसे प्राप्त करें** on date 11/12/2017, **2017-2018**
-  Invited for lecture in the Youth Development Centre, Government Girls College, Bundi Rajasthan and lecture was given on the topic of **“Time management and competition exam”** on date 18/11/2016, **2017-2018**
-  Invited for lecture in the Youth Development Centre, Government Girls College, Bundi Rajasthan and lecture was given on the topic of **“Time management”** on date 13/1/2015, **2014-2015**
-  Invited for lecture in the Youth Development Centre, Government Girls College, Bundi Rajasthan and lecture was given on the topic of **“How to prepare for competitive exams”** on date 06/2/2014, **2013-2014**
-  Invited for lecture in the seven-day NSS camp organized by the National Service Scheme unit of Government Girls College Bundi, and lecture was given on the topic of **“Environment protection”** on date 29/12/2013, **2013-2014**

### **International Conferences/Seminar/Webinar/Symposium:**

-  Participated in International E-workshop on **A step towards sustainable future-Green Hydrogen, Entrepreneurship and SDGs** held on 17 February 2023 **organised by SCRS Government College, Sawai Madhopur, Rajasthan.**
-  Participated & Present Paper in the **International Conference on Emerging Challenges, their solutions and recent Advances in Sciences and Technology** held on 13-14 January 2023 **organized by Sobhasaria College Sikar Rajasthan & Sobhasaria Group of Institution, Sikar Rajasthan.**
-  Participated in International **Conference** held on 17-19 November 2022 **organised by Mata Gujri Mahila Mahavidyalaya (autonomous), Jabalpur (M.P.).** in Collaboration with Bhopal chapter, The national academy of sciences. India (NASI) & The society of life sciences (SLS) in Association with IQAC, Rani Durgavati Vishwavidyalaya, Jabalpur.
-  Actively participated in the **International Conference on “Health and Environment”** organized by Government College, Jhalawar (Raj) held on September 27-04-2022.
-  Participated in International **E-Conference** on “Career Opportunities in Zoology” held on 30 July organized by Department of Zoology, M.S. J. Government College Bharatpur, Rajasthan India. **2020-21**







-  Participated in International **E-Conference** held on 19-20 November organized by Department of Zoology, Janki Devi Bajaj College Kota, Rajasthan India in Collaboration with national Museum of natural history, New Delhi, Ministry of Environment, Forest & Climate Change, Government of India Coordinated by Rajiv Gandhi Regional Museum of natural history Sawai Madhopur Rajasthan India. **2020-21**
-  Participated in International **E-Conference** on “Strategies for environment and biodiversity conservation” held on 24 November organized by Department of Botany, Government College Kota, Rajasthan India. **2020-21**
-  Participated in International **E-Conference** on “Current trends in research in biodiversity environment and plant resources” held on 25-26 November organized by Department of Botany, Janki Devi Bajaj College Kota, Rajasthan India. **2020-21**
-  Participated in online International **E-workshop** on ‘Research Design’ held on 24-25 August organized by Department of Geography, Govt. College, Bundi, Rajasthan. **2020-21**
-  Participated in International **E-Seminar** on ‘Research advancement in environmental research for suitable development’ held on 28 October 2020 organized by Department of Chemistry, Janki Devi Bajaj College, Kota, Rajasthan. **2020-21**
-  Participated in International **Webinar** on the topic “Recent trends and applied aspects in Geography” 22 December organized by Department of Geography, Government College Deoli (Tonk), Rajasthan India. **2020-21**
-  Participated in the **International Webinar** on “Environment and sustainable development” organized by Government Polytechnic College Jhalawar Rajasthan on 5<sup>th</sup> June, 2020. **2020-2021**
-  Participated in the **International on-line workshop** on “Environment and wildlife of Rajasthan Challenges in conservation (IWEWRCC-2020)” organized by Shri Shraddha Nath PG College, Todi, Jhunjhunu (Raj) on 5<sup>th</sup> June, 2020. **2020-2021**
-  Participated in the **International Live Webinar** on “Life Security in current scenario (LSCS) occasion of world environment day 5<sup>th</sup> June, 2020” organized by Adarsh Institute of Management & Science Dhamnod, ZSI, SLS and NASI, Bhopal chapter on 5<sup>th</sup> June, 2020. **2020-2021**
-  Participated and paper titled of “*Impact of Anthropogenic activities in the Mej river*” in the **international conference** presented on Emerging Challenges, their and Recent advances in Sciences held on 4 Oct. to 5 Oct. 2019 at Govt. Science College Sikar, Rajasthan. **2019-2020**
-  Participated and presented paper titled “*Cayratia trifolia.....catchment area*” in the **international conference** on On Recent Advances in Life Sciences for betterment of environment and human health & 8th Annual session of society of Life sciences held on










December 14-15, 2019 at Government Holkar (Model, Autonomous) Science College, Indore (M.P.) **2019-2020**

- 🌐 Participated and presented paper titled “*Floristic diversity in the Post Graduate college campus, bundi*” in the **international conference** on Innovation Strategies in Transdisciplinary to face the integrated development and environment challenges - ICISTIDEC-2018 held on 9 March to 10 March 2018 at R.R. Autonomous College, Alwar, Rajasthan. **2017-18**
- 🌐 डॉ. शंकरदयाल शर्मा पी.जी. महाविद्यालय पावटा जयपुर एवं केन्द्रीय हिन्दी संस्थान आगरा के सयुक्त तत्वावधान में आयोजित वैश्विक परिप्रेक्ष्य में हिन्दी: संदर्भ और चुनौतियाँ विषयक दो दिवसीय **अन्तराष्ट्रीय संगोष्ठी** में पत्र प्रस्तोता के रूप में भाग लिया और **हिन्दी की वैज्ञानिक व तकनीकी शब्दावली : एक अध्ययन** शीर्षक पर शोध पत्र प्रस्तुत किया। **2017-18**
- 🌐 Participated and presenting paper title “**Antimutagenic activity of Gallic acid on the growth of mutagenized *Rhizobium Meliloti* cultures**” in the **international conference** on “Innovative Research in Science, Technology and Management” (ICIRSTM-2017) held on 22 January to 23 January 2017 at Modi Institute of Management & Technology, Kota, Rajasthan (India). **2016-17**
- 🌐 जय नारायण व्यास विश्वविद्यालय, जोधपुर द्वारा आयोजित एवं भारतीय सामाजिक विज्ञान अनुसंधान परिषद नई दिल्ली तथा विश्वविद्यालय अनुदान आयोग नई दिल्ली द्वारा प्रायोजित समकालीन विमर्श: सामाजिक, सांस्कृतिक परिदृश्य विषय पर दो दिवसीय **अन्तराष्ट्रीय संगोष्ठी** में पत्र वाचक के रूप में भाग लिया और **आदिवासी समुदायों का पर्यावरण संरक्षण में योगदान** पर शोध पत्र प्रस्तुत किया। **2014-15**

### **National Conferences/Seminar/Symposium/Workshop:**

- 🌐 Actively participated in the **National Webinar** on “डॉ. अम्बेडकर की वर्तमान दौर में प्रासंगिकता” organized by Government College Bundi held on September 14.04.2022.
- 🌐 Actively participated in the **National E-Conference** on “**30 Years of Economic Reforms in India & Covid-19**” organized by Government Banguar P.G. College Pali held on September 03-10. 2021.
- 🌐 Participated in national **Webinar** on “World Environment Day with theme प्रकृति की ओर ” held on 5 June 2021 organized by Department of Innovation and Skill Development Cell, Govt. College, Bundi, Rajasthan.**2020-2021**
- 🌐 Participated in national **Webinar** on “Relevance of modern Sanskrit story in projecting contemporary society” held on 18 August 2020 organized by Department of Sanskrit, Govt. College, Bundi, Rajasthan.**2020-2021**

-  Participated in national **Webinar** on “ हिन्दी उपन्यास:विविध विमर्श ” held on 18 August 2020 organized by Department of Hindi, Govt. College, Bundi, Rajasthan. **2020-2021**
-  Participated in national **Webinar** on “Sustainable utilization of Herbal Resources: Conservation & Challenges” held on 02 Sept 2020 organized by Department of Botany, Govt. College, Bundi, Rajasthan. **2020-2021**
-  Participated in national **E-Seminar** on “Environmental ethics: Conservation and Sustainable development” held on 06 November 2020 organized by Department of Botany, Govt. College, Kota, Rajasthan. **2020-2021**
-  Participated in the **National E-seminar** on “Entrepreneurship development: challenges and opportunities” organized by Finishing school and placement cell, Mohanlal Sukhadia university Udaipur, Rajasthan and Entrepreneurship cell Janki Devi Bajaj Government Girls College Kota, Rajasthan, India, on 18 December 2020. **2020-2021**
-  Participated in the **National Webinar** titled “Biodiversity Conservation and Economic growth in post covid Era”, organized on 7<sup>th</sup> June, 2020. **2020-2021**
-  Participated in one day **National webinar** on ‘Climate Change, Environmental Ethics & COVID-19 Pandemic’ organized by School of Education, Vardhman Mahaveer Open University, Kota on World Environment Day 5th June 2020. **2020-2021**
-  Participated in the **Faculty Development Programme National Webinar** on “e- Content development methodology: Four quadrant OER and copyright issues” organized by Guru Angad Dev Teaching learning centre SGTB Khalsa college, University of Delhi under the pandit Madan Mohan Malviya National mission on teachers and teaching (PMMMNMTT) of MHRD held on 15 May, 2020. **2020-2021**
-  Participated in the one-day **National Webinar** on “Effectives ways to develop E-content” organized by Smt. Devkiba Mohansinghji Chauhan college of Commerce and science held on 9 May, 2020. **2020-2021**
-  Participated in the **Faculty Development Programme National Webinar** on “Corona Pandemic and economic challenges in India” organized by Guru Angad Dev Teaching learning centre SGTB Khalsa college, University of Delhi under the pandit Madan Mohan Malviya National mission on teachers and teaching (PMMMNMTT) of MHRD held on 15 May, 2020. **2020-2021**
-  Participated in the **Faculty Development Programme National Webinar** on “ICT enabled higher education in India” organized by Guru Angad Dev Teaching learning centre SGTB Khalsa college, University of Delhi under the pandit Madan Mohan Malviya National mission on teachers and teaching (PMMMNMTT) of MHRD held on 15 May, 2020. **2020-2021**

-  Participated in the **Faculty Development Programme National Webinar** on “Re - engineering higher education: A seamless knowledge management system for the university” organized by Guru Angad Dev Teaching learning centre SGTB Khalsa college, University of Delhi under the pandit Madan Mohan Malviya National mission on teachers and teaching (PMMMNTT) of MHRD held on 15 May, 2020. **2020-2021**
-  Participated in the **National Webinar** on “Medicinal and aromatic plants for boosting immunity in the era of COVID-19” organized by Department of Botany, DDU Gorakhpur University, Gorakhpur on 29 May, 2020. **2020-2021**
-  Participated and presented paper titled “*Present status of Mej river*” in the 47 National Conference the Rajasthan Geography association (RGA) on “Sustainable Desert Tourism and Environment: Perspective and Challenges” held on 13 Sept to 15 Sept 2019 at Department of Geography, S.B.K. Govt. PG College, Jaisalmer, Rajasthan. **2019-2020**
-  Participated and presented paper titled “**Role of Mej river in biodiversity in medicinal plants.**” In the National Seminar on “Recent Trends in Environmental Sustainability and Green Practices” held on 15 Nov to 16 Nov 2019 at Govt. College, Bundi in collaboration with the society of life sciences Satna. **2019-2020**
-  Participated in the **National Workshop** on “Intellectual Property Rights and Awareness” held on 19 Feb 2019 at J.D.B. Government College Kota Rajasthan. **2019-2020**
-  Participated and presented paper titled “*Important medicinal climbers of Mej river catchment area*” in the 46 National Conference the Rajasthan Geography association (RGA) on “Sustainable future: Global challenges for environment protection and social Development held on 10 January to 12 January 2019 at Department of Geography, Maharana Pratap Government PG College, Chittorgarh, Rajasthan. **2018-19**
-  Poster paper presented in National Conference on “**Biodiversity, Environmental Challenges and Wildlife Conservation**” held on 24 January to 25 January 2018 at organized by Govt. P.G. College, Thanagazi, Alwar Rajasthan under the auspicious of International Society for Life Sciences (ISLS). **2017-2018**
-  Presented paper and actively participated paper entitled “**Economic importance of medicinal plant in the Mej river catchment area**” in the 37<sup>th</sup> Annual Conference of Rajasthan Economic Association on “Sustainable Development and Inclusive Growth: Prospectus and Challenges” organized by Department of Social Sciences, University of Kota, Rajasthan from January 27-28. 2017. 2016-17
-  Presented poster paper and actively participated in the **National Conference** on “**Environmental Challenges Human Health and Society**” organized by University Maharaja

College & International Society for Life Sciences, Jaipur from September 08-10. 2016. 2016-17

- 🌐 Participated and presenting paper title “*Study and Qualitative analysis of Climbers in and Around Mej river catchment area.*” In the National Seminar on “Innovative Approaches in Biosciences” held on 15 December to 16 December 2017 at Kanoria PG Mahila Mahavidyalaya, Jaipur in collaboration with Indian Science Congress (ISCA) Jaipur Chapter and NABARD. 2017-18
- 🌐 राजकीय कन्या महाविद्यालय अजमेर, राजस्थान के द्वारा आयोजित राजस्थान में तीर्थ पर्यटन का विकास: एक नवीन परिप्रेक्ष्य विषयक दो दिवसीय राष्ट्रीय संगोष्ठी में पत्र प्रस्तोता के रूप में भाग लिया और बून्दी जिले के ऐतिहासिक झीलों द्वारा पादप जातियों का संरक्षण विषय पर शोध पत्र वाचन किया। 2017-18
- 🌐 Participated and presented paper titled “*Use of certain medicinal plants for the treatment of various teeth problem by tribes and Nomadic groups residing in the Mej river catchment area Rajasthan*” in the National Seminar on “Biodiversity, Human rights and sustainable development” held on 15 September 2017 at SRKP Govt. College P.G. College, Kishangarh (Ajmer). 2017-18
- 🌐 Participated and presented paper titled “*Impact of modern health practices on traditional therapeutic knowledge among tribals of Mej river catchment area.*” In the National Symposium on “Global Environmental Challenges: Present Scenario” held on 21 January 2017 at Department of Botany, University of Rajasthan, Jaipur (Rajasthan). 2016-17
- 🌐 Poster paper presented and actively participated paper titled “**floral diversity in the Mej river catchment area, Rajasthan**” in the National Seminar on “Biodiversity, Conservation and Eco Tourism” held on 27-28 September, 2016 organized by Department of Botany, Maharana Pratap Government Post Graduate College, Chittorgarh (Rajasthan). 2016-17
- 🌐 Presented poster paper and actively participated in the XXXVIII All India conference of the Indian Botanical Society & **National Symposium** on “Emerging Trends in Plant Sciences” organized by Department of Botany, University of Rajasthan, Jaipur from October 26-28. 2015. 2015-16
- 🌐 Presented oral paper Titled “An ethnobotanical study: catchment area of the mej river in Bundi Rajasthan” in **National Seminar** on “Harmony with nature in context of environmental issue and challenges of the 21<sup>st</sup> century” held on 28 November to 30 November 2014 organized by department of environmental sciences, Faculty of earth sciences, Mohan Lal Sukhadia University, Udaipur (Raj.). 2014-15
- 🌐 Participated in the National Sufi Seminar held at M.D.S. University Ajmer Rajasthan held on date 25.7.2013. 2013-14

- 🌐 Participated in the National Workshop held at Shri R.K.P.G. College Kishangarh Ajmer Rajasthan on 25-26 October -2013. 2013-14
- 🌐 Participated in the **National conference** on “Sustainable utilization of plants for millennium development” held at Modi Institute of Management & Technology, Kota on 2-4 February 2013. 2012-13
- 🌐 जय नारायण व्यास विश्वविद्यालय, जोधपुर द्वारा आयोजित एवं विश्वविद्यालय अनुदान आयोग नई दिल्ली द्वारा प्रायोजित आदिवासी साहित्य और समाज विषय पर दो दिवसीय राष्ट्रीय संगोष्ठी में पत्र वाचक के रूप में भाग लिया और **आदिवासी समाज और साहित्य: वर्तमान परिदृश्य** पर शोध पत्र प्रस्तुत किया।2012-13
- 🌐 राजकीय महाविद्यालय, बून्दी द्वारा आयोजित एवं विश्वविद्यालय अनुदान आयोग नई दिल्ली द्वारा प्रायोजित आजादी के बाद आदिवासी ने क्या हासिल किया ? विषय पर दो दिवसीय राष्ट्रीय संगोष्ठी में पत्र वाचक के रूप में भाग लिया और **और जैव विविधता व आदिवासी समुदाय एक दूसरे के पूरक** पर शोध पत्र प्रस्तुत किया।2011-12
- 🌐 राजकीय महाविद्यालय, बून्दी द्वारा आयोजित एवं विश्वविद्यालय अनुदान आयोग नई दिल्ली द्वारा प्रायोजित आदिवासी समाज, दशा और दिशा विषय पर दो दिवसीय राष्ट्रीय संगोष्ठी में पत्र वाचक के रूप में भाग लिया और **आदिवासी संस्कृति व पादप संरक्षण** पर शोध पत्र प्रस्तुत किया।2010-11

### **Regional Seminar/Workshop:**

- 🌐 Participated in The One-day Seminar on “Organic Farming” A Vision Towards Biodiversity Conservation” Organised by Modi Institute of Management & Technology Kota, Rajasthan on 15<sup>th</sup> March, 2022. **2021-22**
- 🌐 Participated in **State Level E-Seminar** on “Adhunik Bharat ke Nirman evm Panchel Sidhant” held on 13 November 2020 organized by IQAC & Innovation and Skill Development Cell, Govt. College, Bundi, Rajasthan. **2020-2021**
- 🌐 राजकीय कन्या महाविद्यालय, बून्दी राजस्थान में ई-शिक्षा: अवसर एवं चुनौतियाँ विषय पर दिनांक 4 सितम्बर 2019 को आयोजित एक दिवसीय समूह परिचर्चा में सहभागिता की। **2019.2020**
- 🌐 Actively participated in the seminar entitled “Present scenario of Higher education in India and Future Prospective” jointly organized by Sukhadiya University Association, Rajasthan University & College Teachers Association and All india federation of university and college Teachers organizations held at Mohanlal Sukhadiya University, Udaipur on April 6-7, 2019. **2018-19**
- 🌐 राजकीय स्नातकोत्तर महाविद्यालय, बून्दी राजस्थान में शिक्षण [वातावरण/भारत](#) में कृषि क्षेत्र की चुनौतियाँ विषय पर दिनांक 4 फरवरी 2019 को आयोजित एक दिवसीय समूह परिचर्चा में सहभागिता की। **2018-19**
- 🌐 Participated and Group discussion in the one day regional communication and workshop on “राजस्थान में उच्च शिक्षा शिक्षण में गुणात्मक अभिवृद्धि : अपेक्षाएँ, प्रयास एवं वचनबद्धता held on 29 September 2018 at Govt.College, Bundi. Rajasthan. 2018-19

- राजस्थान विश्वविद्यालय, महाविद्यालय शिक्षक संघ राष्ट्रीय एवं शैक्षिक मंथन संस्थान, जयपुर के संयुक्त तत्वावधान में उच्च शिक्षा में गुणतत्ता विषय पर दिनांक 21 अक्टूबर 2016 को आयोजित प्रान्तीय संगोष्ठी में भाग लिया व उच्च शिक्षा व वर्तमान चुनौतियों पर शोध पत्र वाचन किया। **2016-17**
- Present a Paper in interdisciplinary seminar organized by centre for excellence at Govt.College, Bundi. 2014-15
- राजकीय स्नातकोत्तर महाविद्यालय, बारा राजस्थान एवं आयुक्तालय कालेज शिक्षा राजस्थान जयपुर के तत्वावधान में **सड़क सुरक्षा जीवन रक्षा** विषय पर दिनांक 29 जनवरी 2013 को आयोजित एक दिवसीय संभाग स्तरीय कार्यशाला में सहभागिता की। **2012-13**
- राजकीय स्नातकोत्तर महाविद्यालय, बून्दी राजस्थान एवं आयुक्तालय कालेज शिक्षा राजस्थान जयपुर के तत्वावधान में **स्वस्थ भारत स्वस्थ युवा** विषय पर दिनांक 3-4 फरवरी 2013 को आयोजित दो दिवसीय संभाग स्तरीय कार्यशाला में सहभागिता की। **2012-13**
- राजकीय स्नातकोत्तर महाविद्यालय, बून्दी राजस्थान एवं आयुक्तालय कालेज शिक्षा राजस्थान जयपुर के तत्वावधान में **स्वस्थ भारत स्वस्थ युवा** विषय पर दिनांक 21-22 जनवरी 2012 को आयोजित दो दिवसीय संभाग स्तरीय कार्यशाला में सहभागिता की। **2011-12**
- राजकीय स्नातकोत्तर महाविद्यालय, बून्दी राजस्थान एवं आयुक्तालय कालेज शिक्षा राजस्थान जयपुर के तत्वावधान में **स्वस्थ भारत स्वस्थ युवा** विषय पर दिनांक 3 फरवरी 2011 को आयोजित एक दिवसीय संभाग स्तरीय कार्यशाला में सहभागिता की। **2010-11**
- राजकीय स्नातकोत्तर महाविद्यालय, बून्दी राजस्थान एवं आयुक्तालय कालेज शिक्षा राजस्थान जयपुर के तत्वावधान में **स्वास्थ्य जागरूकता एवं युवा** विषय पर दिनांक 1-2 दिसम्बर को आयोजित दो दिवसीय संभाग स्तरीय कार्यशाला में सहभागिता की। **2010-11**



बूंदी के राजकीय महाविद्यालय में पेड़-पौधे पर लगाए क्यूआर कोड : स्कैन करते ही पता चलेगा नाम, प्रजाति, औषधीय गुण

## अब पूछने की जरूरत नहीं, पेड़-पौधे खुद ही बताएंगे अपनी विशेषताएं



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बूंदी यदि आपको पेड़-पौधों में दिलचस्पी है तो चले आइए जिले के सबसे बड़े राजकीय महाविद्यालय में, यहां लगे पेड़-पौधों के बारे में आपको किसी से पूछना छूटने की जरूरत नहीं है। क्योंकि सभी पर क्यूआर कोड लगाए गए हैं। क्यूआर कोड स्कैन करते ही उस पेड़ या पौधे का नाम, प्रजाति, औषधीय गुण आदि की जानकारी शीघ्र ही मोबाइल पर आ जाएगी। विद्यार्थियों और शोधार्थियों की सुविधा के लिए यह व्यवस्था की गई है। बॉटनी विभाग के एसोसिएट प्रोफेसर डॉ. दिलीप कुमार राठौर ने बताया कि कॉलेज कैम्पस व बनस्पति उद्यान में क्यूआर



बूंदी के राजकीय महाविद्यालय में कम्प्यूटर पर जानकारी लेते सह आचार्य।



बूंदी के राजकीय महाविद्यालय में पेड़ पर लगे क्यूआर कोड पर अपने मोबाइल पर स्कैन करते हुए छात्र-छात्रा।

कोड लगाए गए हैं। सभी पेड़-पौधों की जानकारी बोर्ड पर नहीं लिख सकते, इसलिए क्यूआर कोड बनाया है। इसमें बरगद, पीपल, हिंगी, नीम, सिरस, अमलताश, यूकेलिप्टस, बिल्वपत्र, महानौम, अर्जुन, निर्गुण्डी, मीठानौम, कैथ, करंज, खजुर, आंवल, जामुन, हारमिगार, चम्पा, वरुण, कचनार, रंहरणी, आल, देशी बबूल, चुंरल, आरिमेद, केजुराईना, शीशम, श्याम अमलताश, शहतूत, अशोक, सवणणी आदि शामिल हैं।

### 71 प्रकार पादप जातियों को पहचाना

एसोसिएट प्रोफेसर डॉ. राजेंद्र प्रसाद मोना ने बताया कि बूंदी के राजकीय महाविद्यालय परिसर में अब तक कुल 71 प्रकार की पादप जातियों की पहचान की गई है, जिनमें 29 प्रकार के क्षुप या झाड़ी पादप, 9 प्रकार के आरोही लता पादप तथा वृक्षों की 33 प्रकार की प्रजातियां पाई जाती हैं। महाविद्यालय के परिसर में नीम के वृक्षों की अधिकता है, जो पर्यावरण को स्वच्छ रखता है। महाविद्यालय परिसर में ही लगभग 2 बीघा जमीन में जानस्पतिक उद्यान स्थापित है, जिसमें विभिन्न प्रकार की पादप प्रजातियां पाई जाती हैं। क्यूआर कोड स्कैन प्रक्रिया से छात्र व अन्य व्यक्ति भी पेड़ों की जानकारी हासिल कर सकेंगे।

5 वर्षों के दौरान संपूर्ण परिसर की पादप जातियों की पहचान कर उनका संख्यात्मक डाटा तैयार किया गया है। इसका उद्देश्य विद्यार्थियों व आमजन को विभिन्न पादप जातियों की पहचान व तथा दुर्लभ पादप जातियों का संरक्षण करने के लिए जागरूक करना है।

डॉ. राजेंद्र प्रसाद मोना, एसोसिएट प्रोफेसर एवं शोध निर्देशक, बनस्पति विभाग, राजकीय महाविद्यालय बूंदी

### फैक्ट फाइल

- बनस्पति विभाग में कुल 4 शोध निर्देशक हैं।
- 8 रिसर्च स्कॉलर कार्य कर रहे हैं।
- महाविद्यालय में प्रतिदिन विद्यार्थियों की आवाजाही -700-800
- महाविद्यालय में कुल पेड़ पौधे हैं 1974
- आरोही पादप के - 9.11 फीसदी, क्षुप झाड़ी के 70.31 फीसदी व 20.56 फीसदी वृक्ष हैं।
- महाविद्यालय में कुल अध्ययनरत विद्यार्थी - 6700

### यह होंगे फायदे

- संकटग्रस्त पादप जातियों की पहचान कर उनके संरक्षण में क्यूआर कोड का उपयोग।
- आमजन के लिए किसी भी पादप को पहचान करने में आसानी होगी।
- इस नवाचार से महाविद्यालय को नेक ग्रेडिंग में फायदा मिला।
- बनस्पति विज्ञान के विद्यार्थियों के लिए पादपों के बारे में पूर्ण जानकारी आसानी से उपलब्ध हो जाती है।

### क्यूआर कोडिंग की नवीन पहल की गई

महाविद्यालय परिसर के सभी वृक्षों की पहचान, सामान्य परिचय व उपयोगिता के बारे में विद्यार्थियों व आमजन को जानकारी, उनके जानवरों व सूझा तकनीक के प्रयोग से नवाचार प्रकौष्ठ व इनस्पति विभाग से संयुक्त तत्वावधान में क्यूआर कोडिंग की नवीन पहल की गई। महाविद्यालय की मार्च 2023 में नेक ग्रेडिंग से पूर्व बनस्पति विभाग में कार्यरत सह आचार्य राठौर ने जीवाजी विश्वविद्यालय ग्वालियर में स्थापित डॉ.के.सी.त्यागी बोटानिकल गार्डन से प्रेरित होकर यह नवाचार कर पूरे हाड़ौती में फैला महाविद्यालय बना।

डॉ. दिलीप राठौर, एसोसिएट प्रोफेसर, बॉटनी विभाग, राजकीय महाविद्यालय बूंदी

नहीं मिली कोई निषेध वन

चौमण नरनते से नदी क्रियाओं की जिज्ञा

I hereby declare that all the information given above is correct to my knowledge.

Dr. Rajendra Prasad

