

Curriculum Vitae

Dr. P.D. Charan

UGC NET & JRF, IARI-NET, RSET

Assistant Professor (Environmental Science)

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CONTACT INFORMATION

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AREA OF WORK

Environment and Ecology, Biodiversity, Pesticide residue analyses, Heavy metal Analyses, Remote sensing and GIS application, Environmental analysis (water, soil, air), ecological studies, EIA etc

RESEARCH EXPERIENCE

Ten years of experience (including Ph.D.) in research and teaching as well as good knowledge of phyto-diversity with special reference to arid and semi arid regions of Rajasthan.

RESEARCH PROJECTS

1. Principal Investigator of the Project running in the Department on ***Phyto-Diversity assessment from Mangla Oil Field (Barmer, Rajasthan) to Bhogat Terminal (Jamnagar, Gujarat)***. It is a consultancy project for **Cairn India Limited**, which is exploring crude oil in the Thar desert of the western India. Total fund of the Project is **INR 16,00,000/-**
2. Principal Investigator of the National level Project under the **ISRO Geosphere Biosphere Program- National Carbon Project-Vegetation Pool Assessment Project**. The funding Agency for the project is **NRSA (ISRO), Department of Space** and total fund for the project is **INR 14,59,000/-**
3. I was actively associated with the collaborative National Project (2008-2011) on ' Biodiversity Characterization at Landscape Level using Remote Sensing and GIS'. The project was sponsored by the National Remote Sensing Agency, ISRO-Government of India, Hyderabad. Objective was to characterize biodiversity and collection of the phytosociological data at assigned sample points.

EDUCATIONAL QUALIFICATION

Examination	Subject	Board/University	Year	Division & %
Ph.D	Environmental Sciences	M.D.S.U.,Ajmer	2011	-
PGDISHE	-	M.D.S.U.,Ajmer	2011	I (81%)
M.Sc	Environmental Sciences *	M.D.S.U.,Ajmer	2005	I (75.57%)
B.Sc.	Life Science	M.D.S.U.,Ajmer	2003	I (65.24%)
Sr Sec.	Biology, Chemistry, Physics	Rajasthan Board	1997	I (65.54%)
Secondary		CBSE, New Delhi	1995	II (~50%)
* SPECIALIZATION: Environmental Impact Assessment				

AWARDS AND ACHIEVEMENTS:

1. Member, **Board of Studies (BOS)** of Environmental Science, Maharaja Ganga Singh University (Bikaner)
2. Received **Young Scientist Award-2016** for contribution in the field of Environmental Science on the occasion of national seminar on ‘Agriculture resource management for sustainability and eco-restoration’ organized by SAAER, ICAR-CIAH, Bikaner (March,11-13, 2016)
3. **Organized a National Seminar** on “Current Trends in Environmental Research (NSCTER-2015)”, 28 Feb.-2 March, 2015 in the Department of Environmental Science at MGSU Campus, Bikaner (As Organizing Secretary).
4. Received **Junior Research Fellowship award** followed by **Senior Research Fellowship awards** of UGC, New Delhi.
5. Received **Young Geographer Award-2009** for the contribution in the field on the occasion of 37th RGA national conference on climate change & resource development, 11-13 September, 2009.

TRAINING PROGRAMME /FACULTY DEVELOPMENT PROGRAMMES (NOT LESS THAN ONE WEEK DURATION)

S. No.	Programme	Duration	Organized by
1	Orientation Program	28 Days	University of Rajasthan, Jaipur
2	Refresher Course	21 Days	Devi Ahilya University, Indore
3	Training on Remote sensing Application	15 days (25 th March, 2010- 8 th April, 2010)	National Remote Sensing Centre (ISRO), Hyderabad
4	Summer training on analysis of water quality parameters	30 days (15 th May, 2004 – 15 th June, 2004).	Environmental Survey Lab., BARC, Rawatbhata

PUBLICATIONS

(A) IN NATIONAL / INTERNATIONAL JOURNALS / PROCEEDINGS:

1. **P.D. Charan**, Mahendra Singh, P. Rakhecha, A. K. Jakhar, K.S. Bithoo and Manoj K. Meena (2015). Study of heavy metals concentration in ground water samples collected from Bikaner city, Rajasthan. *International Journal of Emerging Research and Management Technology*, 2(5): 14-18.
2. **P.D. Charan**, Ashwani K. Jakhar, Mahendra Singh, Karni Singh Bithoo and Manoj K. Meena (2014). Analysis of some Heavy Metals in waste water irrigated vegetables grown in Bikaner city, Rajasthan. *Journal of Applied Phytotechnology in Environmental sanitation*, Volume 3(1): 29-34.
3. **P.D. Charan** and Hemalata Sahal (2014). Study of Respirable Dust in Ambient Air of Bikaner City and Its Impact on Human Health, *Applied Journal of Hygiene*, 3 (1): 11-14.
4. C. Sudhakar Reddy, S. L. meena, P. Hari Krishna, **Prabhu D. Charan** and K. C. Sharma (2012). Conservation Threat Assessment of *Commiphora wightii* (Arn.) Bhandari- an Economically Important Species. *Taiwania*, 57(3): 288-293.
5. **Charan, P.D.**; Ali, S.F. Kachhawa, Yati and Sharma, K.C. (2010). Monitoring of pesticide residues in farmgate vegetables of central Aravalli region of western India. *American- Eurasian J. Agric. & Environ. Sci.*, 7(3): 255-258.
6. **Charan PD**, Sharma R, Sharma KC.(2010).Gas chromatographic analysis of organochlorine pesticides in Lake Anasagar of Ajmer, Rajasthan (India). *J Environ Sci Eng.* 52(1):37-40, 2010.
7. **Charan, P.D.** and Sharma, K.C. (2009). Analysis of residual pesticides in surface and ground water samples of central Aravalli region of Rajasthan. *International journal of Bioscience reporter*, 7(1): 15-20.
8. **Prabhu Dan Charan**, Anil Patni, Bhupendra Soni, Manoj Kumar Meena and K.C. Sharma (2009).Hexachlorohexane (HCH) Isomer Residues In Soils Of Ajmer Region, Rajasthan. *Indian Journal of Environmental Sciences*, 13(2): 153-156.
9. Sharma, K.C., Chouhan, C.S., **Charan, P.D.** and Nag, M. (2009). Water quality and restoration practices of lake budha pushkar – a threatened water body of Ajmer, Rajasthan. *The Ecoscan*, 3(1&2): 53-58.
10. C.S. Reddy, P. Hari Krishna, V. Sweta, T.Shivakala and **Prabhu D. Charan** (2010). Assessment and monitoring of spatio-temporal changes in keoladeo Ghana national park, Rajasthan, India using Geoinformatics. *Journal of Wetland Ecology*, 4: 33-42.

11. **Prabhu Dan Charan**, Anil Patni and K.C. Sharma (2008). Pesticide contamination in Lake Anasagar of Ajmer, Rajasthan., In: Sengupta, M. Dalwani, R. (eds), proceedings of TAAL, 2007, The 12th World Lake Conference, pp-360-365.
12. Mudita Nag, Ruchira Bhardwaj, K.C. Sharma and **P.D. Charan** (2010). Environmental Impacts of Tourism at Religious Places- A case study of Pushkar (Rajasthan). Indian Journal of Applied Hospitality and Tourism Research, (2): 11-17.
13. Sharma, K.C., **Charan, P.D.** and Nag, Mudita. (2009). An integrated restoration plan for lake Anasagar: A threatened water body of Ajmer, Rajasthan, India. Proceedings of 13th World Lake Conference, 1-5 November, Wuhan, China. (wldb.ilec.or.jp/data/ilec/WLC13_Papers)
14. Surendra Verma, Manju Rani, **Prabhu Dan Charan** and K.C. Sharma (2009). Ambient air quality in urban environment of Ajmer, Rajasthan. Proceedings of CETAS-2009 (9-11 Feb. 2009).
15. Subroto Dutta, Manoj k. Meena, **Prabhu Dan Charan** and Hemraj Chhipa. (2009). Heavy metals in lake Anasagar of Ajmer, Rajasthan. Indian Journal of Environmental Sciences, 13(2): 171-174.

(B) ARTICLES/ CHAPTERS PUBLISHED IN BOOKS:

S. No.	Title with Page no.	Book Title, editor & publisher	ISSN/ ISBN No
1	Assessment and Monitoring of Spatio-Temporal changes in Lake Anasagar of Ajmer affected by Agricultural activities. (Page No 23-34)	Environment Management-Challenges and Conservation, In: J.B. Khan (Ed.) Environment Management-Challenges and Conservation, LAP Lambert Academic Publishing, Saarbrücken, Deutschland/Germany	ISBN: 978-659-57593-8
2	Medicinal flora of the Thar desert of Rajasthan: Therapeutic and antimicrobial importances. (Page no. 399-412).	Microbs: in Action (Editors: Joginder Singh & Praveen Gehlot), Agrobios (India) Jodhpur	ISBN: (13): 978- 81-7754-576-0

(C). PAPERS PRESENTED IN CONFERENCES, WORKSHOPS & SEMINARS ETC:

S. No.	Title of the Paper presented	Title of Conference / Seminar with date	Organized by	Level of the conference/seminar
1	Study on Medicinal Plants of The Thar Desert of Bikaner Division, Rajasthan.	National seminar on Agriculture resource management for sustainability and eco-restoration, March, 11-13, 2016	SAAER, ICAR-CIAH, Bikaner	National

S. No.	Title of the Paper presented	Title of Conference / Seminar with date	Organized by	Level of the conference/seminar
2	Study on population growth and its impacts on environment with special reference to Rajasthan	National seminar on Overpopulation and its effects on environment (January, 15-16, 2016)	ICSSR New Delhi and GMMS, Shivsinghpura, Sikar.	National
3	Vegetation of Thar desert of Rajasthan and their medicinal values: A review	National Seminar on Current trends in Environmental Research, February, 28 th -March, 2 nd , 2015	Dept of Environmental Science, MGSU Bikaner	National
4	Heavy metal contamination in vegetable grown by waste water in Bikaner, Rajasthan	National conference on Energy and Environmental Engineering, 26-27 April, 2014.	Manda institute of technology, Bikaner	National
5	Introduction to analytical techniques used in environmental Sciences	Workshop on current challenges in Environmental Sciences, 26, January, 2013.	Dept. of Environmental Science, MDS University Ajmer and Dept. of Environmental Science, MGS University Bikaner	University
6	Assessment of Repairable Dust Load in Bikaner City and its Impact on Human Health.	National seminar on the status of environment and biodiversity: Rio + 20 and role of space technology, November, 2-3, 2012	Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar	National
7	An assessment and remedial measures for organochlorine pesticides in lake Budha Pushkar, Ajmer (Rajasthan)	National Seminar on Environmental management & Biodiversity conservation (Present status and future strategy), 06-07 th October, 2012.	Govt. Lohia PG College, Churu (Rajasthan)	National
8	A note on biological diversity of Thar Desert of Western Rajasthan (India).	National conference on biodiversity depletion: causes, consequences and solutions, 28-29 th September, 2012.	Dept of Botany, MLV Govt. College, Bhilwara, Rajasthan	National
9	Environmental education & its importance in present scenario	National symposium on interrogating new worlds of English teaching, 24-25 February, 2012	ELTI, Bikaner and MGSU Bikaner.	National
10	Pesticide residue analysis in vegetable grown in and around Ajmer, Rajasthan	International Conference on Advances in Environmental Research, 19-21 Nov., 2011	MGS University, Bikaner	International
11	Assessment of floral	12 th National conference of	Dept of Zoology, MS	National

S. No.	Title of the Paper presented	Title of Conference / Seminar with date	Organized by	Level of the conference/seminar
	diversity of Aravalli hills of Ajmer region.	society of Science and Environment, 9-10 th October, 2010.	University, Baroda (Gujarat)	
12	Determination of pesticide residues in cumin collected from local food market of Ajmer, Rajasthan	National consultation on seed spices biodiversity and production for export-Perspective, potential, threats and their solutions, 7 th July, 2010.	National Research Centre on Seed Spices, Tabiji, Ajmer & Indian Society of Seed Species	National
13	Restoration Practices of lake Budha Pushkar: A case study of threatened water body of Ajmer.	37 th RGA national conference on climate change & resource development, 11-13 September, 2009	Dept of Geography, SBNMM, Jaipur	National
14	Assessment of Organochlorine pesticides in the lake Anasagar of Ajmer, Rajasthan	International Conference on changing environmental trends & Sustainable development, 9-11 February, 2009.	Guru Jambheshwar University, Hisar	International
15	Analysis of various pesticides in lake Anasagar of Ajmer, Rajasthan	36 th RGA national Conference on Changing geographies and Quest for sustainability, 26-28 September, 2008.	Rajasthan Geographical Association	National
16	Pesticides contamination in lake Anasagar of Ajmer	12 th World Lake Conference-TAAL-2007 (28 th Oct. – 2 nd Nov.,2007) Jaipur	ILEC, Japan and MoEF, New Delhi	International
17	Plant biodiversity in Aravalli hills of Ajmer	Seminar on biodiversity around Aravalli foot hills in the vicinity of Ajmer (Rajasthan). 28 th March, 2006.	Dept of Zoology, MDS University, Ajmer.	University