



SRRM GOVT. COLLEGE, JHUNJHUNU (RAJ.)

FACULTY PROFILE



- [1] Name : **Dr. Purushottam Lal**
 [2] Designation : Assistant Professor
 [3] Department : Botany
 [4] Educational Qualification : M.Sc., CSIR-JRF, Ph.D.
 [5] Teaching / Research Experience –

UG	05 Yrs.	PG	02 Yrs.	Research	----
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* Assigned as Research Supervisor by PDSU, Sikar (2023-24):

* **Research Area – Ecophysiology of Medicinal & Threatened Plants**

[6] Membership (Academic Bodies) –

[7] Academic Courses Attended – (Orientation / Refresher / Short Term / FDP/ Gyan Ganga)

S. No.	Course	Place	Sponsoring Agency	Duration
1.	FDP (Workshop cum Training)	SPC Govt. College, Ajmer (Online)	Directorate of College Education, Rajasthan & SPC Govt. College, Ajmer	19-20 th Aug., 2020
2.	State Level Workshop cum Training Program “ E-Content: Design, Development, Deliver and Response”	Govt. Dungar College, Bikaner (Online)	Directorate of College Education, Rajasthan & Govt. Dungar College, Bikaner	25-26 th Aug., 2020
3.	FDP on Virtual Platform for Teaching and Learning (VPTL)	Indian Institute of Information Technology, Kota (Online)	Indian Institute of Information Technology, Kota	27-28 th Aug., 2020
4.	Gyan Ganga State Level Subject Specific Short Term Online Training Program “Initiative for Teaching Learning Excellence in Botany”	Govt. Dungar College, Bikaner (Online)	Directorate of College Education, Rajasthan & Govt. Dungar College, Bikaner	11-16 th Jan., 2021
5.	Orientation Course	Ramanujan College, New Delhi (Online)	Ramanujan College, New Delhi	11 th Feb. to 13 th Mar., 2021 (30 Days)
6.	Refresher Course	Ramanujan College, New Delhi (Online)	Ramanujan College, New Delhi	22 nd Jul. to 05 th Aug., 2022 (14 Days)

[8] Seminar / Conference Attended – (Last 05 Years)

S. No.	Name of Seminar/Conference	Organizer	Participation Level	Title of Paper/Abstract	Date
INTERNATIONAL					
1.	International Conference on Recent Trends in Environmental and Natural Sciences - ICRTESS	Govt. Science College, Sikar, Rajasthan	Paper Presented	Desert Adaptation in <i>Blepharis indica</i> T. Anders – An Endangered Medicinal Plant from Indian Thar Desert	12-13 rd Feb., 2019
2.	International Conference on Emerging Challenges, Their Solutions and Recent Advances in Science	Govt. Science College, Sikar, Rajasthan	Paper Presented	Life Threatening Environmental Issues in <i>Blepharis indica</i> T. Anders – An Endangered Aphrodisiac Medicinal Herb from Indian Arid Zone	04-05 th Oct., 2019
3.	International Conference on	Sobhasaria	Invited Lecture	Hopeless Species – <i>Blepharis</i>	13-14 th

	Emerging Challenges, Their Solutions and Recent Advances in Science and Technology	College, Sikar, Rajasthan		<i>sindica</i> T. Anders in Indian Thar Desert	Jan., 2023
NATIONAL					
1.	National Seminar on Role of Plants in Conventional Medicine	Department of Botany, University of Rajasthan, Jaipur	Paper Presented	High Potential Aphrodisiac Plants with Proper Conservational Need from Dholpur District of Rajasthan	30 th Sep., 2019

[9] Resource Person in Seminar / Conferences-

S. No.	Name of Seminar/Conference	Organizer	Date
1.	Gyan Ganga – State Level Online Short Term Training Program Initiative for Teaching Learning Excellence in Botany Topic: A New Perception About Photosynthesis	Commissionerate College Education, Rajasthan and Rajrishi (Autonomous) College, Alwar	21 st Jan., 2021
2.	Gyan Ganga – State Level Online Short Term Training Program Initiative for Teaching Learning Excellence in Botany Topic: Strigolactones	Commissionerate College Education, Rajasthan and MSJ Govt. College, Bharatpur	28 th Jan., 2021
3.	One Day Online National Webinar on Medicinal Plants: As a Natural Immunity Booster to Maintain Health Topic: Some High Value Medicinal Plants for Better Immunity	Department of Botany, SNMT Govt. Girl's College, Jhunjhunu	16 th Apr., 2021
4.	International Conference on Emerging Challenges, Their Solutions and Recent Advances in Science and Technology Topic: Photosynthesis – A Dimension at Quantum Level	Sobhasaria College, Sikar, Rajasthan	14 th Jan., 2023
5.	One Day National Seminar on Recent Trends in Scientific Research Topic: Hopeless Species – <i>Blepharis sindica</i> T. Anders in Indian Thar Desert	Shri Krishna Mahavidyalaya, Govindgarh, Jaipur	19 th Jan., 2023
6.	One Day Workshop Cum Awareness Program – Make Life Simply Better Topic: Herbal Drugs for Daily Life Detoxification	SRRM Govt. College, Nawalgarh, Jhunjhunu	03 rd Jan., 2024

[10] Research Publications-

S. No.	Title of Paper	Journal with ISSN No.	Volume & Year
1.	Proline accumulation in <i>Blepharis sindica</i> T. Anders: a valuable medicinal plant growing in Indian Thar desert	Asian Journal of Plant Science and Research ISSN: 2249-7412 IF = 0.92	2(5): 2012
2.	High adaptability of <i>Blepharis sindica</i> T. Anders seeds towards moisture scarcity: a possible reason for the vulnerability of this medicinal plant in Indian Thar desert	Journal of Research in Biology ISSN: 2231-6280 (Print) ISSN: 2231-6299 (Online) H Index = 10	4(2): 2014
3.	Germplasm variability and seed dormancy interruption in <i>Pedaliium murex</i> Linn. (Bara Gokhru) by physiochemical and hormonal pre-treatments	Physiological Ecology & Environmental Science ISSN: 2311-1569	5(1&2): 2014
4.	Ecological evaluation of some physiochemical parameters in <i>Blepharis sindica</i> T. Anders – a vulnerable medicinal plant of the arid region	Journal of Indian Botanical Society ISSN: 0019-4468 IF = 0.877	93(1&2): 2014
5.	Time synchronized seed bank upholding in <i>Pedaliium murex</i> Linn. – a multipurpose medicinal herb from Indian arid region	Geobios ISSN: 0251-1223	42: 2015
6.	Proline accumulation with relation to surface soil moisture in <i>Mollugo cerviana</i> (Linn.) Ser. – a small sized medicinal herb from the Indian arid zone.	Journal of Research in Biology ISSN: 2231-6280 (Print) ISSN: 2231-6299 (Online) H Index = 10	5(2): 2015
7.	Dependency of primary metabolites production and variations against climatic factors during different months in <i>Blepharis sindica</i> T. Anders – an endangered serotonious medicinal plant from Indian arid zone.	Journal of Research in Biology ISSN: 2231-6280 (Print) ISSN: 2231-6299 (Online) H Index = 10	6(1): 2016
8.	Phenological progression in some important medicinal plants from Churu region – a part of the Indian arid zone	Physiological Ecology & Environmental Science ISSN: 2311-1569	7(1&2): 2016
9.	Photoblastic responses by seeds of <i>Blepharis sindica</i> T. Anders – an endangered serotonious medicinal plant from Indian arid zone	Physiological Ecology & Environmental Science ISSN: 2311-1569	8(1&2): 2017

10.	Medicinal plants of immense conservation thrust from reserve forest areas of Lohargal-Shakabari expanse of Rajasthan, India.	Physiological Ecology & Environmental Science ISSN: 2311-1569	9(1&2): 2018
11.	Specific physiological adjustments during different growth stages in ephemeral plants of <i>Gisekia pharnacioides</i> L. around Churu region of Indian Thar desert.	Physiological Ecology & Environmental Science ISSN: 2311-1569	10(1&2): 2019
12.	Variability patterns in soil moisture and pH values under sandy canopies of <i>Blepharis sindica</i> T. Anders in Churu region – a part of Indian Thar desert.	Journal of Global Resources ISSN: 2395-3160 (Print) 2455-2445 (Online)	6(02): 2020
13.	Eolian sand deposition induced constrains and seedling strategies in <i>Blepharis sindica</i> T. Anders – an endangered serotonious medicinal herb of Indian That desert.	Journal of Indian Ecological Society ISSN: 0304-5250 NAAS = 4.96	47(4): 2020

[11] Research Project – NIL

[12] Research Supervision – NIL

[13] Monograph/Book/Chapter in Edited Book:

* Book (Single Author) –

S. No.	Title of Book	ISBN No.	Publisher	Publishing Year
1.	CSIR-NET ECOLOGY	978-93-90765-06-5	Wisdom Words, Jaipur	2022

* Book (Multiple Author) –

S. No.	Title of Book	ISBN No.	Publisher	Publishing Year
1.	BIOLOGY MCQ BANK	978-93-90765-31-7	Wisdom Words, Jaipur	2022

* Book Chapter (in Edited Books) –

S. No.	Title of Chapter	Editor(s)	Book Name with ISBN No.	Publisher	Publishing Year
1.	Biodiversity and Ecological Assessment of Arid Zone Plants Pp 98-123	Sharma, P.K., Mohammed, S, Lal, P. and Kasera, P.K.	Biodiversity – Management and Conservation (ed.) J.B. Khan ISBN: 978-3-659-00229-8	Lap Lambert Academic Publisher, Germany	2012
2.	Environment Induced Adaptive Features of Some Medicinal Plants Growing in Indian Arid Zone. Pp. 186-193	Lal, P. and Mohammed, S.	Environmental Issues (eds.) M.D. Gora, M. M. Sheikh and G. S. Chauhan) ISBN: 978-81-921231-3-4	The Principal, Govt. Lohia P.G. College, Churu	2012
3.	Harsh Climatic Conditions and Economic Utility of Important Medicinal Plants of Indian Arid Zone. Pp. 326-341	Mohammed, S., Sharma, P.K. and Lal, P.	Biodiversity and Environmental Issues (ed.) M. M. Sheikh ISBN: 978-3-659-46967-1	Lap Lambert Academic Publisher, Germany	2012
4.	Metabolic Adaptations in <i>Gisekia pharnacioides</i> (Linn.): An Important Medicinal Plant of Indian Arid Zone. Pp. 175-180	Lal, P. and Mohammed, S.	Proceedings of National Seminar on Environment Management & Biodiversity Conservation ISBN: 978-81-921321-4-1	Department of Life Sciences, Govt. Lohia P.G. College, Churu, Rajasthan	2012
5.	Medicinal Flora of Indian Arid Zone: Integration in Natural Life Support System and Its Conservation. Pp. 16-22	Lal, P. and Mohammed, S.	Environment Management (ed.) J.B. Khan ISBN: 978-3-659-57593-8	Lap Lambert Academic Publisher, Germany	2014
6.	Eco-physiological Studies of <i>Blepharis sindica</i> T. Anders – A Vulnerable Medicinal Plant of the Indian Arid Zone	Lal, P. and Mohammed, S.	Impact on Environment after COVID-19 & Sustainable Development (ed.) Anita Jaif ISBN: 978-81-950252-9-9	S. Sharda Global Research Publications, Jaipur	2021

[14] Others: Digital Connectivity Links (Academic & Research)-

- * **Journal Editor:** National Journal of Environment and Scientific Research <https://www.njesr.com/page/editorial-board>
- **Google Scholar Profile:** <https://scholar.google.com/citations?hl=en&user=aLitKWUAAAAJ>
- **Research Gate Profile:** <https://www.researchgate.net/profile/Purushottam-Lal-2>
- **ORCID Profile:** <https://orcid.org/0000-0001-9345-4973>
- **YouTube Chanel Link:** <https://www.youtube.com/channel/UCGqrAtmtdKUI78XpZfW0oXQ>