



- 1. Name - DR. SHAHDAB HUSSAIN**
(JRF-SRF, Post doc., HD.Sc., IY.Sc., Y.Sc., MANF, FISCA, ABRF, FSAS, FSAIARD, UYSA)
- 2. Designation** - Associate Professor, Department of Botany Sangam
University Bhilwara
- 3. Postal address** - 65 – Magistrate colony Near Ahinsa Circle, Bhilwara
311 001 (Rajasthan)
- 4. Mobile No. - 8233152670**
- 5. E-mail:** drshahdabhussain@yahoo.com, (hshahdab@yahoo.in)
- 6. Date of Birth** – 15th November 1986
- 7. Qualification** – M.Sc., JRF-SRF., Ph. D., Post Doctorate (PDF)
- 8. Research Degree awarded** – July, 2015
- 9. Specialization** – Pteridology, Ecology, Taxonomy, Ethnobotany,
Phytochemistry, Experimental Biology and Flowering plants of
Angiosperm
- 10. Research supervision-** 4 student under Ph.D.
- 11. Research Achievements –**

I have 14 years of teaching and research experience. I am working on many elements of the vascular plants in Rajasthan. Taxonomy, distribution, morphology, cytology, ecology, anatomy, phytochemistry, ethnobotany, seed germination, agro methods, and experimental research are all included in my research expertise. Several research articles have been published in national and international journals.

Selaginella reticulata, *Adiantum recurvatum*, *Pteris vittata* subsp. *emodi*, *Hypodematium crenatum* subsp. *loyally*, and *Cheilanthes brevifrons* were discovered as a new species to the Rajasthan pteridophytic flora. *Oenothera rosea* L'Her. exAit. (Onagraceae): A New Generic record to Rajasthan's Flora has been identified and published.

12. Fellowship

- Fellow of Moullana Azad National Fellowship for Minority students JRF and SRF awarded.

13. Research project-

- **Bio-prospecting agro-techniques and phytochemically characterization commercially Exploited of some rare endangered medicinal plants of Indian Thar Desert** has successfully done in JNV University Jodhpur.
- **Evolution of Toxicity within Nanoparticles (Nano Urea, Nano Zinc, Nano copper, Nano DAP) in Aquatic organisms** has successfully done in Sangam University, Bhilwara-Rajasthan India.

14. Honours and Awards:

- M.Sc. Botany **Gold Medalist**
- **The James Chadwick Research Award- 2015** was given by the Journal of Biodiversity Photon (USA) for the finest research work in the field of plant biodiversity.
- **The Carl Nageli Research Award 2015** was given by the **Journal of Biodiversity Photon (USA)** for the outstanding research work on threatened plant species.
- **The Seerat Charity Trust** has awarded me four prizes for my outstanding performance in UG and PG classes.
- **The biodiversity expert Award- 2020** given by **Journal of Biodiversity Photon (USA)** for best research paper in category of plant biodiversity.
- **Ecological expert Award- 2020** is given by **The Journal of Biodiversity Photon (USA)** for best research paper in category of plant biodiversity.

- **Best Research Award- 2020** is given by **Journal of Biodiversity Photon (USA)** for best research paper in category of plant biodiversity.
- **Threatened Taxa Expert Award** is given by **The Journal of Biodiversity Photon (USA)** for best research paper.
- **Selected for The Honorary D.Sc. Award (Doctrin De Science Award Honoris Causa) 2021** from USA.
- **Selected for The Young Scientist Award 2021** from The Journal of Biodiversity Photon USA.
- **Selected for The Best Scientist of The Year Award 2021** from Research getaway of India.
- **International Young scientist award 2021** given by VDGOOD professional association of Trivandrum, India for excellent scientific contribution.
- **Universal Young Scientist Award 2022** for the International American Council for Research and Development (IACRD), United States of America – Global Achievement Awards Convocation.
- **INRES Young scientist award 2023** for appreciate outstanding research work recognized by Ministry of MSME government of India.

15.Membership of academic bodies

- **Life Member**, Indian Fern Society
- **Life Member**, Indian Botanical Society
- **Life Member**, ABRF
- **Life Member**, SAIARD
- **Life Member**, SAS
- **Life Member**, INRES
- **Life Member**, FMERU
- **Life Member**, California Botanical society

16. Seminar /Conference International and National

- I have attended **63 National** and **12 International** conferences
- I have attended **10 Faculty Development Program (FDP)**
- I have edited **6** books in the Botany area for Undergraduate students.
- I have completed **The Pteridophytic Flora of Kumbhalgarh Wildlife Sanctuary in Rajasthan**, which will be published in this year.

17. Editor and editorial board member in National and International Journals

- International journal of Ecology and Environmental Sciences (**India**)
- International Journal of Botany Studies (**India**)
- South Asian Journal of Experimental Biology (**India**)
- The Journal of Biodiversity Photon (**USA**)
- The International journal of Biology and research (**USA**)
- The International journal of Multidisciplinary Research and Development (**India**)
- International journal of Creative Research Thoughts (**India**)
- American journal of Natural science
- European Journal of Biology
- American journal of Environmental studies
- Plant journal (**USA**)
- Journal of Innovations in Agriculture (**Italy**)
- Journal of Biopharmaceutical and Research **Singapore**
- Organizing committee member in international conference on **plant science, research and findings ABCD index department of Botany.**
- **Program committee member in 3rd world conference on bioscience and Biotechnology (London United Kingdom).**
- **Editorial board member** in world wide journal of multidisciplinary research and development.
- **Invited speaker** at the 8th Edition of global conference on plant science and molecular biology (**Valencia Spain**).
- **Program committee member** in World Conference on Gastroenterology Hepatology and endoscopy (**Barcelona Spain**)
- **Editorial Board member** of international journal of Plant science **Tamil Nadu (India)**
- **Editorial Board member** of international journal of Botany research **Tamil Nadu (India)**

18. Patent and Copy right

- **Patent on *Drosophila melanogaster* capture instrument** useful in genetic engineering.
- **Patent on Digital light insect trap machine (DLIT)** useful for the taxonomical identification of different species of insectivores.

- **Patent on** Hussimeter equipment for rapid phytochemical analysis experiments in plants and chemical industries.
- **Copy right on** *Pteris vittata* Subsp. *emodi* Franser-Jenk. (Pteridaceae. D.M. Kirchn.): A New Record to The Flora of Kumbhalgarh Wildlife Sanctuary of Rajasthan, India

19. Book Chapters Publications

- Trends in Agriculture using IOT – A book which cover entomology and machine learning computer science.
- Genetic engineering of the energy crops and cellulosic biofuel: the future remedy for transportation and energy security.

19. Research Publications

S. No.	Title
1.	Regeneration Capacity Of Gametophyte Of <i>Pteris vittata</i> L. Subsp. <i>Vittata</i> (Shahdab Hussain¹ And B. L. Yadav)
2.	Some New Additions To The Pteridophytic Biodiversity Of Kumbhalgarh Wildlife Sanctuary, Rajasthan, India Shahdab (Hussain¹, Kanta Meena²& B. L. Yadav³)
3.	Some Ethno-Medicinal Plants Of Kumbhalgarh Wildlife Sanctuary Of Rajasthan, India (B. L. Yadav, Shahdab Hussain¹& P. C. Ahir)
4.	Photosynthetic Pigments And Their Degradation Under Hyperthermia In Two Species Of <i>Selaginella</i> Beauv. From Rajasthan (Kanta Meena*, Shahdab Hussain** And B. L. Yadav)
5.	Seasonal Variations In Total Alkaloids And Phenols In <i>Withania</i> Species From Arid Region (Meenu Gehlot Pawan K. Kasera*Shahdab Hussain)
6.	Pteridophytic Diversity Of Kumbhalgarh Wildlife Sanctuary, Rajasthan, India (Hussain Shahdab, Dr. Yadav B.L.*, Meena Kanta, Gena C.B)
7.	Impact Of Habitat Conditions On Photosynthetic Pigments In Some Pteridophytic Species From Kumbhalgarh Wildlife Sanctuary Of Rajasthan, India (B. L. Yadav¹ And Shahdab Hussain)
8.	<i>Selaginella Reticulata</i> (Hook. & Grev.) Spring (Selaginellaceae) – A New Record To The Pteridophytic Flora Of Rajasthan, North-Western India (B.L. Yadav^{1,2}, K.L. Meena^{1,3}, Kanta Meena^{1,4} And Shahdab Hussain^{1,5})
9.	Some New Records To The Flora Of Rajasthan, India (B.L. Yadav^{1,2}, K.L. Meena^{1,3}, G. Singh, P.C. Ahi, Kanta Meena^{1,4} And Shahdab Hussain^{1,5})
10.	Photosynthetic Pigments And Their Degradation Under Hyperthermia In Two Species Of <i>Selaginella</i> Beauv. From Rajasthan (Kanta Meena Shahdab Hussain² And B. L. Yadav)

11.	Some Traditional Ethno Veterinary Medicinal Plants Of Kumbhalgarh Wildlife Sanctuary, Rajasthan, India (P.C. Ahir, S. Hussain & V. Dhaka)
12.	<i>Adiantum recurvatum</i> (D.Don)Fras.-Jank A New Record To The Pteridophytic Flora Of Rajasthan, India (Shahdab Hussain)
13.	Epidermal Studies Of Family – Pteridaceae E.D.M.Kirchn. Of Rajasthan, India (shahdab Hussain, ²faten Z. Filimban And ³shirin Quazi)
14.	The Effect Of Different Light Qualities On Spore Germination Of Pteridophyte Flora Of Kumbhalgarh Wildlife Sanctuary (¹shahdab Hussain And ²faten Z. Filimban And ³shweta Yadav)
15.	<i>Hemionitis Formosana</i> (Hayata) Christenh.A New Record To The Pteridophyticflora Of Rajasthan, India(¹shahdab Hussain And ²faten Z. Filimban And ³shweta Yadav)
16.	Total Free Proline Estimated In Different Plant Organs Of Some Selected Species Of Pteridophytic Flora Of Kumbhalgarh Wildlife Sanctuary Of Rajasthan (¹Shahdab Hussain And ²Faten Z. Filimban And ³shirin Quazi)
17.	<i>Pteris vittata</i> subsp. <i>Emodi</i> Fraser Jenk.(Pteridaceae.D.M.Kirchn.): A New Record To The Flora Of Kumbhalgarhwildlife Sanctuary Of Rajasthan, India(¹Shahdab Hussain And ²Faten Z. Filimban)
18.	<i>Hypodematum crenatum</i> Subsp. <i>Loyalii</i> Fraser-Jenk. &Khullar: A New Record For Kumbhalgarh Wildlife Sanctuary Of Rajasthan, India (Shahdab Hussain And Faten Z. Filimban)
19.	Effect Of Aging On Spore Viability Of Selected Species Of Pteridophytes From Kumbhalgarh Wildlife Sanctuary Of Rajasthan, India(¹Shahdab Hussain And ²Faten Z. Filimban)
20.	Determination Of Total Soluble Sugar Content In Some Selected Species Of Family Euphorbiaceae Of Sikar District Of Rajasthan, India (Vimala Dhaka And Shahdab Hussain)
21.	Phytochemical studies on some selected species of Asteraceae family of Rajasthan, India (Varsha Solanki, Tahira begam, Rana Taj and Shahdab Hussain)
22.	Some Ethno-Medicinal Plants Of Kumbhalgarh Wildlife Sanctuary Of Rajasthan, India (Shahdab Hussain, Sudha Summarwar Kishor Singh Chauhan, Azra Praveen, Shweta Yadav and Shrin Quazi)
23.	A Review Of Anti-Diabetic Medicinal Plants Of India (Shahdab Hussain, Kishor Singh Chouhan and Jayant Sharma)
24.	Ethno medicinal uses of Pteridophytes by tribes of the kumbhalgarh wildlife sanctuary of Rajasthan. (Shahdab Hussain, Sudha Summarwar& Upasana Tailor)

25.	Phytochemical Studies On <i>Actinopterys radiata</i> (Sw.) Link. From Kumbhalgarh Wildlife Sanctuary Of Rajasthan, India (SHAHDAB HUSSAIN* AND SUDHA SUMMARWAR)
26.	Study Of Angiospermic Diversity Of Kumbhalgarh Wildlife Sanctuary Of Rajasthan, India (Shahdab Hussain, Shrin Quazi and Jayant Sharma)
27.	The Study Of Biodiversity And Wildlife Protection Act Of India (Shahdab Hussain and Sunakshi Sharma)
28.	The Phytochemical Analysis of two Different Species Belongs To <i>Argemone</i> L. of Rajasthan(Shahdab Hussain and Jayant Sharma)
29.	The Study Of Some Selected Ethno-Medicinal Plants Of Kumbhalgarh Wildlife Sanctuary Of Rajasthan, India (Shahdab Hussain, Shweta Yadav, Sudha Summarwar, Kishor Singh Chouhan, Azra Praveen and Shrin Quazi)
30.	Book chapter published in Trends in Agriculture Using IoT : Sensor based farming on Iot in Agriculture (Shahdab Hussain, Rajkumar jain, Kishor Singh Chouhan, Azra Praveen and Shrin Quazi)
31.	New Distributional Record and Morphological Characterization of <i>Emilia sonchifolia</i> (L.) DC. from South-Central Rajasthan Shahdab Hussain* and Jayant Sharma (Web of science IF-6.22)
32.	Expanding the Distributional and Ecological Understanding of <i>Ophioglossum rubellum</i> Welw. Ex A.Braun: A New Record from Semi Arid Menal Forest of Rajasthan Shahdab Hussain and Shreya Shekhawat* (Web of science IF-6.22)

DR. SHAHDAB HUSSAIN

(JRF-SRF, Post-doctorate, HD.Sc., IY.Sc.,

Y.Sc., MANF)

Associate Professor, (Programme coordinator and Mentor of M.Sc. Botany)

**Department of Botany (SOBAS), Sangam University, Bhilwara-311 001,
Rajasthan, Mob. No. 8233152670**