

GOVERNMENT MEERA GIRLS COLLEGE, UDAIPUR

FACULTY PROFILE

1. Name: Dr. Vartika Jain

2. Email Id: vartikabotany@gmail.com



3. Designation & Department: Assistant Professor, Department of Botany

4. Teaching Experience : UG- 12 years PG- 09 years Research- 19 years

5. Membership of Professional Bodies: 12

6. Details of Research Papers in the Journals notified in UGC care listed /Scopus/ Web of Science Indexed Journals.

Name of Author	Title of Paper	Name of Journal	Vol., Issue, Page No., Year of Publication	ISBN/ISSN No.
Jain, V., Verma, S.K., Katewa, S.S.	Myths, traditions and fate of multipurpose <i>Bombax ceiba</i> - an appraisal.	<i>Indian Journal of Traditional Knowledge</i>	8(4): 638-644, 2009	ISSN 0972-5938
Verma, S.K., Jain, V., Katewa, S.S.	Blood pressure lowering, fibrinolysis enhancing and antioxidant activities of Cardamom (<i>Elettaria cardamomum</i>).	<i>Indian Journal of Biochemistry and Biophysics</i>	46: 503-506, 2009	ISSN 0301-1208
Verma, S.K., Jain, V., Vyas, A.	Fibrinolysis enhancement by <i>Pueraria tuberosa</i> (Indian Kudzu) in patients with coronary artery disease: a placebo controlled study.	<i>Journal of Cell and Tissue Research</i>	9(1):1649-54, 2009	ISSN 0973-0028
Jain, A., Katewa, S.S., Sharma, S.K., Galav, P.K., Jain, V.	Snake-lore and Indigenous snake-bite remedies practiced by some tribals of Rajasthan, India.	<i>Indian Journal of Traditional Knowledge</i>	10(2):258-268, 2011	ISSN 0972-5938
Jain, V., Verma, S.K., Katewa, S.S.	Therapeutic validation of <i>Ipomoea digitata</i> tuber (<i>Ksheervidari</i>) for its effect on cardio-vascular risk parameters.	<i>Indian Journal of Traditional Knowledge</i> .	10(4):617-623, 2011	ISSN 0972-5938
Verma, S.K., Jain, V.	Effect of Greater	<i>Asian Pacific</i>	2(2):S739-743, 2012.	ISSN 2222-1808

V., Singh, D.P.	Cardamom (<i>Amomum subulatum</i> Roxb.) on blood lipids, fibrinolysis, and total antioxidant status in patients with ischemic heart disease.	<i>Journal of Tropical Disease.</i>	DOI:10.1016/S2222-1808 (12) 60255-2	
Verma, S.K., Jain, V., Singh, D.P.	Effect of <i>Pueraria tuberosa</i> DC. (Indian Kudzu) on Blood Pressure, Fibrinolysis and Oxidative Stress in Patients with Stage I Hypertension.	<i>Pakistan Journal of Biological Sciences.</i>	15(15):742-747, 2012	ISSN 1028-8880
Jain, V.	<i>Bombax ceiba</i> (Semal) in Indian folklore and traditions.	<i>Ethnobotany</i>	24(1&2):79-82, 2012	ISSN 0971-1252
Jain, V.	Traditional subsistence grains of the poor now health foods of the rich.	<i>Ethnobotany</i>	25(1&2):109-114, 2013	ISSN 0971-1252
Jain, V. and Verma, S.K.	Assessment of credibility of some folk medicinal claims on <i>Bombax ceiba</i> L.	<i>Indian Journal of Traditional Knowledge.</i>	13(1):87-94, 2014	ISSN 0972-5938
Jain, V.	A note on an abnormal flower of <i>Bombax ceiba</i> L.	<i>Phytotaxonomy.</i>	14:164-165, 2014.	ISSN 0972-4206
Jain, V., Nath, M., Chauhan, N., Jain, S.K.	Taxonomic and Phytogeographic aspects of Plants of Indian Puranas.	<i>Phytotaxonomy</i>	15:152-165, 2015.	ISSN 0972-4206
Dash, S.S., Jain, V., Jain, S.K.	Notable name changes in plants of Indian Puranas.	<i>Nelumbo.</i>	57: 82-85, 2015	ISSN 0976-5069
Jain, V.	<i>Prabha`i Samgita</i> : Some folk-cultural aspects (In Hindi).	<i>Ethnobotany</i>	27: 108-113, 2015.	ISSN 0971-1252
Jain, S.K. and Jain, V.	Evolution of Ethnobotany in last six decades in India- an overview.	<i>Ethnobotany.</i>	27: 1-6, 2015	ISSN 0971-1252
Jain, V.	Candy of <i>Cannabis sativa</i> L. – A traditional intoxicant in Udaipur, Rajasthan.	<i>Journal of Traditional and Folk Practices.</i>	4(2):129-131, 2016.	ISSN 2278-5906
Jain, V.	A contribution to the etymology of some Sanskrit names of a majestic tree <i>Bombax ceiba</i> L.	<i>Phytotaxonomy.</i>	16:135-137, 2016	ISSN 0972-4206
Jain, V. and Jain, S.K.	Beta Ethnobotany: Some new directions. (In Hindi)	<i>Ethnobotany.</i>	28: 124-127, 2016.	ISSN 0971-1252
Jain, V. and Verma, S.K.	Folkloric use of plants for treatment of epilepsy in India.	<i>Journal of Traditional and Folk Practices.</i>	2,3,4(1):120-134, 2016.	ISSN 2278-5906
Jain, V.	Ethno-biology of exhibits in a mega handicraft fair of Rajasthan.	<i>Indian Journal of Traditional Knowledge.</i>	16(3):524-532, 2017.	ISSN 0972-5938
Jain, V. and Verma, S.K.	Indigenous artificial limb of <i>Bombax ceiba</i> L. wood- A novel ethnobotanical use.	<i>Journal of Traditional and Folk Practices.</i>	5(2): 142-147, 2017	ISSN 2278-5906

Jain, V.	A bibliographic overview of Dr. S. K. Jain's research work on Taxonomy and Phytogeography.	<i>Phytotaxonomy</i>	17:136-145, 2017.	ISSN 0972-4206
Jain, S.K. and Jain, V.	Notable Indian Herbaria for identification of Ethnobotanical collections.	<i>Ethnobotany</i>	29: 82-88, 2017.	ISSN 0971-1252
Jain, V.	A bibliographic overview of Dr. S. K. Jain's research work on Ethnobotany.	<i>Ethnobotany</i>	29: 99-109, 2017.	ISSN 0971-1252
Jain, V.	Sweets as traditional medicine in winter season: An ethnobotanical study in Udaipur city, India.	<i>Ethnobotany Research and Applications</i>	20:1-17, 2020. DOI: 10.32859/era.20.31.1-17	ISSN 1547-3465
Jain, V. and Jain, S.K.	Urban ethnobotanical studies from some temples of Udaipur city, Rajasthan, India.	<i>Journal of Traditional and Folk Practices</i>	7(1&2) and 8(1): 1-13, 2020.	ISSN 2278-5906
Kunwar, B. and Jain, V.	Ethnobotanical study on certain unique traditional fairs of Shraavan month in Udaipur city, Rajasthan.	<i>Journal of Traditional and Folk Practices</i>	9(1&2):92-103, 2021.	ISSN 2278-5906
Kunwar, B., Jain, V. , Verma, S.K.	<i>In vitro</i> thrombolytic activity of <i>Moringa oleifera</i> .	<i>Nusantara Bioscience</i>	14(1):63-69, 2022.	ISSN: 2087-3948
Dwivedi, D. V. and Jain, V.	Medicinal importance of <i>Amra (Mangifera indica L.)</i> in ancient Indian texts.	<i>Journal of the Oriental Institute</i>	71:89-112, 2022.	ISSN:0030-5324
Jain, V. , Kunwar, B., Verma, S. K.	A Review on Thrombolysis Enhancing Indian Edible Plants.	<i>Biomedical and Pharmacology Journal</i>	16(3):1283-1302, 2023.	ISSN: 0974-6242

7. Books & Chapters in Edited Volumes/Books Published/Conference Proceedings.

Name of Author	Title of Books	Name of Publisher	Year of Publication	ISBN/ISSN
Jain, V. and Verma, S.K.	<i>Pharmacology of Bombax ceiba</i> Linn.	Springer Heidelberg.	2012	ISBN-978-3-642-27903-4
Jain, V. and Jain, S.K.	<i>Compendium of Indian Folk Medicine and Ethnobotany (1991-2015)</i>	Deep Publications, New Delhi.	2016	ISBN-978-93-80702100
Jain, S.K. and Jain, V. (Ed.)	<i>Methods and Approaches in Ethnobotany (Concepts, Practices and Prospects)</i>	Deep Publications, New Delhi.	2017	ISBN-978-93-80702-124
Jain, V. and Jain, S.K.	<i>Dictionary of Local-Botanical names in Indian Folk Life</i> (Guide to over 26000 tribal and rural plant names documented in sixty years ethnobotanical field work).	Scientific Publishers, Jodhpur.	2018	ISBN-978-93-83692-51-4
Jain, V. and Jain, S.K.	<i>लोकवनस्पति विज्ञान: एक संक्षिप्त परिचय.</i> (In Hindi).	Deep Publications, New Delhi.	2019	ISBN 978-93-80702-13-1

Bordia, A., Verma, S.K., Jain, V.	Chapter 6.4: Studies on the Beneficial effects of functional foods like Garlic, Ginger, Fenugreek and Amla with special reference to ischemic heart disease. In: <i>Role of Dietary Fibres and Nutraceuticals in Preventing Diseases</i> . pp. 313-326.	Pharmamed Press, Hyderabad.	2009	ISBN 9788188449726
Jain, V., Katewa, S.S., Verma, S.K.	Chapter 9: <i>In vitro</i> antimicrobial activity of roots of <i>Bombax ceiba</i> Linn. – An ethnomedicinal plant. In: <i>Folk herbal Medicine and Drug Discovery</i> , (Ed. Katewa, S.S.), pp.134-140	Scientific Publishers, Jodhpur.	2012	ISBN 978-81-7233-776-6
Jain, V. and Nayaka S.	Use of some of the lichen species as spices in Dungarpur, Rajasthan. In: <i>Recent advances in Ethnobotany</i> , (Ed. Kumar, S.), pp. 57-60	Deep Publications, New Delhi.	2015	ISBN 978-93-80702-09-4
Jain, V.	Chapter 14: Popular sacred plants in <i>Prabhat Samgiita</i> . In: <i>Indian ethnobotany: Emerging trends</i> , (Ed. Jain, A.), pp.181-194	Scientific Publishers, Jodhpur.	2016	ISBN 9788172339609
Jain, S.K. and Jain, V.	Chapter 1.1: Ethnobotany: The Five Ws? In: <i>Methods and Approaches in Ethnobotany (Concepts, Practices and Prospects)</i> (Ed. Jain SK and Jain V), pp. 7-9	Deep Publications, New Delhi	2017	ISBN 978-93-80702-124
Jain, V.	Chapter 2.3: Ethnobotanical uses of some plants in India. In: <i>Methods and Approaches in Ethnobotany (Concepts, Practices and Prospects)</i> (Ed. Jain SK and Jain V), pp. 37-54	Deep Publications, New Delhi.	2017	ISBN 978-93-80702-124
Jain, V.	Chapter 3.5: Quantitative Ethnobotany. In: <i>Methods and Approaches in Ethnobotany (Concepts, Practices and Prospects)</i> (Ed. Jain SK and Jain V), pp. 104-109	Deep Publications, New Delhi.	2017	ISBN 978-93-80702-124
Jain, V.	Chapter 4.1: A glimpse of need-based man-plant relationships in Indian folk life. In: <i>Methods and Approaches in Ethnobotany (Concepts, Practices and Prospects)</i> (Ed. Jain SK and Jain V), pp. 137-142	Deep Publications, New Delhi.	2017	ISBN 978-93-80702-124
Jain, V.	Chapter 5.1: A glimpse of culture-based man-plant relationships in Indian folk life. In: <i>Methods and Approaches in Ethnobotany (Concepts, Practices and Prospects)</i> (Ed. Jain SK and Jain V), pp. 151-157	Deep Publications, New Delhi.	2017	ISBN 978-93-80702-124
Jain, V.	Chapter 5.4: Etymology and utility of local plant names. In: <i>Methods and Approaches in Ethnobotany (Concepts, Practices and Prospects)</i>	Deep Publications, New Delhi.	2017	ISBN 978-93-80702-124

	(Ed. Jain SK and Jain V), pp. 168-170			
Jain, V.	Chapter 21: <i>Bombax ceiba</i> L.(Semal)- A Multidimensional Folk Medicinal Tree. In: <i>Advances in Ethnobotany</i> (Ed.: Jha SK), pp.401-410	Satish Serial Publishing House, New Delhi	2018	ISBN 978-9386200273
Verma, S.K. and Jain, V.	Chapter 11: <i>Elettaria cardamomum</i> (L.) Maton (Small Cardamom)- A dietary spice with antihypertensive potential and added cardiovascular benefits. In: <i>Recent Progress in Medicinal Plants, Vol. 48, Metabolic disorders: Hypertension</i> (Ed.: Govil JN, Bhardwaj A), pp. 189-206	Studium Press LLC, USA	2018	ISBN 1-62699-085-9
Jain, V.	Ethno-phytoetymology: An insight into folk wisdom through plant names. In: <i>Recent Research in Ethnobiology & Biodiversity Conservation in India</i> , (Ed.: Das AK, Gupta A, Gupta S, Singha H), pp.7-12	Assam University, Silchar, India	2019	ISBN 978-81-936364-6-6
Jain, V.	Occurrence of <i>Bombax ceiba</i> L. (Semal) in Indian States- A plant of immense commercial significance. In: <i>Recent Research in Ethnobiology & Biodiversity Conservation in India</i> , (Ed.: Das AK, Gupta A, Gupta S, Singha H), pp.106-125	Assam University, Silchar, India	2019	ISBN 978-81-936364-6-6
Jain, V.	Chapter 13. A review of traditional medicinal plants used for treatment of leucorrhoea in India. In: <i>Ethnomedicinal Plant Use and Practice in Traditional Medicine</i> , (Ed.: Akash, Navneet, Bhandari BS), pp. 252-266	IGI Global, Hershey, PA, USA	2020	ISBN13: 9781799813200 , doi:10.4018/978-1-7998-1320-0.ch013
Jain, V.	Chapter 5. Glimpse of Culture and Food traditions: 'Basoda' festival in Udaipur, Rajasthan. In: <i>Local Food and Community Empowerment through Tourism</i> , Vol. II (Ed.: Raina, A., Sharma, S., Kapoor, B.), pp. 74-85.	Eureka Publications, Maharashtra, India.	2021.	ISBN: 978-93-91260-31-6
Jain, V.	Chapter 2. Some Non-timber forest products in beauty care. In: <i>Medicinal Plants Herbal Wealth of India</i> (Ed.: Sharma, I. R.), pp. 15-29.	Agrobios Research, Jodhpur, India.	2021	ISBN: 9788194923732 (HB)
Jain, A. and Jain, V.	Chapter 4. An overview of some potential traditional medicinal plant species against Covid-19: Harvesting details for optimal bioactive. In: <i>Medicinal Plants Phytochemistry and Therapeutics</i> (Ed.: Patni, V.), pp. 121-145.	Agrobios Research, Jodhpur, India.	2021	ISBN: 9788194923749 (HB)
Kunwar, B.,	Chapter 11. Ecological and	INSC	2022	ISBN: 978-1-68576-341-

Naga, S. and Jain, V.	Pharmacological Potential of Bryophytes: A Mini Review. In: <i>Environment and Sustainable Development: Nature is Speaking</i> (Ed.: Beniwal, A., Maheshwari, D., Singh P.), pp. 101-118.	International Pvt. Ltd., USA.		1.
Jain, V., Ghorai, M., Das, T., Dey, A.	Anticancerous Compounds from Bryophytes: Recent Advances with Special Emphasis on Bis(bi)benzyls https://doi.org/10.1007/978-3-030-97415-2_3-1 . In: <i>Bioactive Compounds in Bryophytes and Pteridophytes</i> .	Springer Nature, Switzerland	2022	ISBN:978-3-031-23242-8
Jain, V., Ghorai, M., Biswas, P., Dey, A.	Anticancer Properties of Pteridophytes and Derived Compounds: Pharmacological Perspectives and Medicinal Use. https://doi.org/10.1007/978-3-030-97415-2_12-1 . In: <i>Bioactive Compounds in Bryophytes and Pteridophytes</i> .	Springer Nature, Switzerland	2022	ISBN: 978-3-031-23242-8
Kunwar, B. and Jain, V.	Some promising plants in Rajasthan for phytoremediation. In: <i>The Multidisciplinary Perspectives in Geography</i> (Ed.: Singh, P.),	Himanshu Publications, Udaipur.	2022	ISBN: 978-93-94954-38-0
Jain, V.	Cultural-Abstract Relationships: Plants and Wildlife in Prabha't Samgiita. In: <i>Biosphere Reserves, Botanic Gardens, Zoological Parks, Museums, Biodiversity of India- Identification, Conservation & Management</i>	Govt. M.S. Golwalkar College, Rewa (M.P.) India.	2022	ISBN: 978-81-928063-9-6
Jain, V., Ghorai, M., Pandey, D.K., Al-Tawaha, A.R., Bursal, E., Shekhwat, M.S., Batiha, G.E., Purushotham, B., Swamy, M.K., Dey, A.	<i>In Vitro</i> propagation and biotechnological aspects of <i>Boswellia</i> species. In: <i>Frankincense – Gum Olibanum. Botany, Oleoresin, Chemistry, Extraction, Utilization, Propagation, Biotechnology, and Conservation</i> .	Apple Academic Press Inc., Canada and CRC Press, UK.	2023	ISBN: 978-1-77491-263-8
Nath, S., Majumder, S., Ghorai, M., Jain, V., Al-Tawaha, A.R., Shekhwat, M.S., Pandey, D.K., Paul, S., Swamy, M.K., Dey, A.	Assessment of <i>Boswellia</i> species genetic diversity using molecular markers. In: <i>Frankincense – Gum Olibanum. Botany, Oleoresin, Chemistry, Extraction, Utilization, Propagation, Biotechnology, and Conservation</i>	Apple Academic Press Inc., Canada and CRC Press, UK.	2023	ISBN: 978-1-77491-263-8
Tudu, C.K., Al-Tawaha, A.R., Nandy, S.,	Endophytes associated with <i>Boswellia</i> species: Developments and Prospects. In: <i>Frankincense – Gum</i>	Apple Academic Press Inc.,	2023	ISBN: 978-1-77491-263-8

Shekhwat, M.S., Bursal, E., Ghorai, M., Jain, V. , Nongdam, P., Batiha, G.E., Dwivedi, P., Malik, T., Pandey, D.K., Swamy, M.K., Sanyal, R., Dey, A.	<i>Olibanum. Botany, Oleoresin, Chemistry, Extraction, Utilization, Propagation, Biotechnology, and Conservation.</i>	Canada and CRC Press, UK.		
Das, T., Sau, S., Nandy, S., Ghorai, M., Sayanti, M., Al- Tawaha, A.R., Bursal, E., Jain, V. , Pandey, D.K., Swamy, M.K., Shekhwat, M.S., Malik, T., Ghosh, A., Bhattacharjee, R., Dey, A.	Chapter 1. Phytochemicals and Medicinal Importance of <i>Nelumbo nucifera</i> . In: Bachheti, A., Bachheti, R. K., Husen, A. (ed.) <i>Aquatic Medicinal Plants</i> . 1 st ed. DOI: 10.1201/9781003256830-7	CRC Press, Boca Raton.	2023	ISBN: 9781003256830
Biswas, P., Hasan, I., Anand, U., Ghorai, M., Al- Tawaha, A.R., Bursal, E., Jain, V. , Pandey, D.K., Swamy, M.K., Shekhwat, M.S., Malik, T., Dey, A.	Chapter 7. Recent Update on Medicinal Properties of <i>Rotula aquatica</i> Lour. In: Bachheti, A., Bachheti, R. K., Husen, A. (ed.) <i>Aquatic Medicinal Plants</i> . 1 st ed. DOI: 10.1201/9781003256830-1	CRC Press, Boca Raton.	2023	ISBN: 9781003256830
Dave, D. and Jain, V.	Chapter 11. Treasure Hunt: Converting E-Waste to E-Wealth. In: Dey S. (ed.) <i>Biohydrometallurgical Processes. Metal recovery and remediation</i> . pp. 215-229. DOI: 10.1201/9781003451457-11.	CRC Press, Boca Raton, FL.	2024	ISBN 978-1-032-58781-3

8. Conference/Courses/FDP.

- a) Total Number Conferences/Seminars/Workshop attended/conducted: 87
- b) Total Number of FDP/Training Courses/Any Other Courses attended/conducted: 10
- c) Total Number Refresher/Orientation/Short Term Courses attended: 06

9. Research Guidance.

Total Number of Awarded: Nil

Total Number of Ongoing : 03

10. Any other Achievements.

a. Awards:

- a. **BEST PAPER PRESENTATION AWARD in International Conference on Recent Advances in Research and Innovations in Life Sciences (Hybrid Mode)** organized by Mata Gujri Mahila Mahavidyalaya (Autonomous), Jabalpur 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 from 17-11-22 to 19-11-22.
- b. **BIODIVERSITY CONSERVATION AWARD 2022** by International Foundation for Environment and Ecology, Kolkata.
- c. **YOUNG SCIENTIST AWARD- 2019** by The Society of Life Sciences, Satna (M.P.)
- d. **YOUNG ACHIEVER AWARD in Ethnobiology-2017** by S.K. Jain Institute of Ethnobiology, Gwalior.
- e. **PROF. P. SENSARMA MEDAL Award 2015-16** by Society of Ethnobotanists, Lucknow.
- f. **Platinum Shakti Award- 2015** for work on Semal tree (*Bombax ceiba*) Conservation in Udaipur by Platinum group of Colleges and Channel 24 News, Udaipur.
- g. **Special 26 Award-2018** by 95 FM Tadka Channel for excellence in academics and contribution towards better environment of Udaipur city by working on Semal tree Conservation.
- h. **YOUNG SCIENTIST AWARD for Best Poster presentation** in International Conference on Folk and Herbal Medicine (ICFHM-2010) held at Department of Botany, Mohanlal Sukhadia University, Udaipur from 25-27th November, 2010.
- i. **GOLD MEDAL** for standing First in Mohanlal Sukhadia University in M.Sc. Botany, 2003.

b. Invited talks: 42

c. Fellowship

1. Fellow of **Society for Microvita Research and Integrated Medicine (FSMRIM)**, 2012.
2. Fellow of **Society of Ethnobotanists (FES)**, 2015.
3. Fellow of **Association for Plant Taxonomy (APT)**, 2015.
4. Fellow of **Society of Life Sciences (SLS)**, 2019.