

r. KAVITA CHAHAL

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PERSONAL DETAILS

Father's Name : (Lt) **Dr. J. P. Shakya**

Mother's Name : (Lt) **Smt. R P Shakya**

Husband's Name : **Mr. Sanjay Chahal**

Date & Place of Birth (Domicile): 18th July 1979; Morena (Madhya Pradesh, India)

Mailing Address : H.N.159/E Type IV, West Land Khamaria, Jabalpur (M.P.)- 482005

Educational Qualifications: MSc (Microbiology); PhD (Microbiology); CSIR NET (Life Sc); ICAR NET

Teaching Experience: 12 years in PG College (Asst.Prof); 2 years in KV (PGT, Biotech)

- Awards: 3
- Book Editor: 16
- Books Co-authored: 6
- Chapter Publications in Book/Conference Proceeding: 16
- Invited lectures / Resource Person: 14
- Creation of e-content development: 04

Research Experience:

- Patents: 4
- Research Papers: 39
- Citations: **94**; H index:**6**; i10 index: **4**
- Projects undertaken: 2 (minor)
- Papers Presented in Seminars/Conferences: 07

Courses Attended:

- Orientation / Gurudakshta course (2)
- Refresher Course (3)
- NEP Sensitization and orientation (1)
- Faculty Development Courses: 35
- Short Term Online Courses: 07
- Certificate Courses: 01
- Workshops: 17
- International Conferences/ Seminars/ Webinar Series Attended: 31

Educational Qualifications

Examination/ Degree	Subjects	Year of passing	Div	Board/ University
Matriculation/ High School	Biology, Maths, Science	14 th Aug. 1995	I	C.B.S.E (K V, GCF Jabalpur)
Intermediate / Higher Secondary	Physics, Chemistry Biology	25 th June 1997	I	C.B.S.E (K V, GCF Jabalpur)
Graduation	Chemistry Botany, Zoology	09 th June 2000	I	Govt. (Auton.) Science College, Rani Durgavati University, Jabalpur, M.P.
Post-Graduation	Microbiology	29 th Dec. 2002	I	Department of Biological Sciences, Rani Durgavati University, Jabalpur, M.P.
B.Ed.	Biology	14 th March 2003	I	Sri Sathya Sai College, Barkatullah University, Bhopal, M.P.
Ph.D.	Microbiology	15 th June 2010	-	M.P. Bhoj Open University, Bhopal, M.P. Research Lab: Jawaharlal Cancer Hospital & Research Center, Bhopal; Guide: Dr. N.P. Shukla, Chairman, M.P. Pollution Control Board, Bhopal, M.P. Ph.D. Topic: Studies on immunomodulatory and antioxidant activity of some medicinal plants and their impact on immediate-type allergic asthma.
CSIR NET	Life Sciences	4 th Dec. 2012		Certificate No. 3061231528
ASRB NET	Agriculture Microbiology	19 th March 2015		Certificate No. 00085/NET2014(II)03

PROFESSIONAL EXPERIENCE

Name of Institute	Post held	Classes	Period of Employment		Total
			From	To	
Deployed in PMCoE Government Mahakoshal Autn. College Jabalpur M.P	Assistant Professor (Botany)	UG	12 th June 2024	Serving at present	1 year
Government Model Autn Science College Jabalpur M.P	Assistant Professor (Botany)	UG & PG	6 th Oct 2023	11 th June 2024	8 months
Government College, Bichhua, Chhindwara, M. P	Assistant Professor (Botany)	UG & PG	16 th Dec. 2019	5 th Oct 2023	3 years & 9 months

Kendriya Vidyalaya V.F. Jabalpur, M. P	PGT Biotechnology	XI & XII	1 st April 2016	30 th March 2018	2 years
Govt. Model Science College, Jabalpur, M. P	(Guest Faculty)	UG & PG	1 st Feb 2011	30 th July 2011	6 months
Sri Sathya Sai College for Women, Barkatullah University, Bhopal, M. P.	Assistant Professor (Microbiology)	UG & PG	1 st July 2006	30 th Jan. 2011	5 years
Ayushman College of Paramedical Sciences, Bhopal, M.P.	Assistant Professor (Microbiology)	UG & PG	1 st July 2005	30 th June 2006	1 year
Career College, Bhopal, M. P	Assistant Professor (Microbiology)	UG & PG	1 st May 2004	30 th June 2005	1 year

Academic Staff College Orientation / Refresher Course/ Workshop/ Training attended: Courses Attended (HRDC)

S.N	Course/	Organizer/Institute	Date
1.	Refresher Course on 'Advances in Biophysics	<i>Indian National Science Academy, Indian Academy of Sciences & National Academy of Sciences India; held at Center for Cellular and Molecular Biology (CCMB), Hyderabad (Telangana)</i>	<i>May-June 2007</i>
2.	Orientation Programme	<i>UGC Human Resource Development Center, Rani Durgawati University, Jabalpur (MP) GRADE A⁺ as required for promotion under CAS of UGC and AICTE</i>	<i>17th Feb 2020 to 7th March 2020</i>
3.	Refresher Course in Life Sciences	<i>UGC Human Resource Development Center, organized by DAVV, Indore (M.P). GRADE A⁺ as required for promotion under CAS of UGC and AICTE</i>	<i>28th Oct to 11th Nov 2020</i>
4.	National Refresher Course in Teaching Learning.	Smt. Radhadevi Goenka College for Women and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College (University of Delhi) under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education. Obtained GRADE A ⁺ as required for promotion under CAS of UGC and AICTE.	22 nd June to 06 th July 2021

5.	Gurdakshita (Faculty Induction Program)	UGC Human Resource Development Center , organized by Pt. Ravishankar Shukla University, Raipur	12 th Jan to 17 th Feb 2022
6.	UGC-Short-Term Professional Development Programme	Professional Development Programme on 'Implementation of NEP-2020 for University and College Teachers '	21-29 September, 2022
7.	NEP Sensitization and Orientation Course	<i>UGC Human Resource Development Center, Rani Durgawati University, Jabalpur (MP)</i> GRADE A ⁺ as required for promotion under CAS of UGC and AICTE under PMMMNTT of Ministry of Education.	10/10/24 to 18/10/2024
8.	Refresher Course	<i>INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, Bhopal Organized by Higher Education M.P</i>	14 th Feb to 22 nd Feb 2025

**ACADEMIC PERFORMANCE INDICATORS
RESEARCH AND ACADEMIC CONTRIBUTIONS**

Projects undertaken

S	Title	Sponsored Agency	Duration
1	Effect of Climate Change on the Availability, Access & the Use of Medicinal Plants in the Tribal Areas of Bichhua, District-Chhindwara, Madhya Pradesh, India. By Government College, Bichhua, Chhindwara, M. P	World Bank Project	2019-20
2	Phytosociological Study of tree diversity of Bichhua region of Chhindwara MP by Government College, Bichhua, Chhindwara, M. P	World Bank Project	2020-21

Patents

S.N	Title	Names	Design no./Date
1	IOT BASED RESPIRATORY SENSING MEDICAL DEVICE. The internet of things (IoT) has provided a dynamic change of healthcare system that enables interoperability and secure data transmission for more effective healthcare delivery. The device is equipped with an accelerometer sensor to measure abdominal movement generated by the inhale-exhale process and respiratory cycles.	1.Dr. Nitin Nema 2. Mrs. Tripti Nema 3.Mr. Shripad Motilal Bairagi 4. Dr. Kavita Shakya.	Design No.: 390545-001. Date: 18/07/2023. The Patent office, Government of India.
2	Health Automated Teller Machine (ATM). Health ATM is a touch-screen kiosk hardware, designed for managing health-related information, which allows individuals to access their personal health information through any Internet-connected web browser.	Applicant Name: 1. Dr Vinod Kumar 2. Dr. Jyoti Sinha 3. Dolly Rani 4. Dr. Chandra Mohan 5. Dr. Megha Jha 6. Dr. Kavita Chahal.	Patent office, Government of India. Application Number: 373325-001. Cbr Number: 207838 Cbr Date: 01/11/2022.
3	INFUSION PUMP FOR ENCAPSULATED DRUG DELIVERY FOR TREATMENT OF CANCER	1.Dr. Megha Jha 2. Dr. Kavita Chahal 3.Dr. Shraddha Shukla 4.Dr. Ruchi Khare Shrivastava 5.Mr. Kumar Abhinav	Issue date: 28-3-2024 Design No.: 401203-001. The Patent office, Government of India.
4	AQUATIC WEED DETECTING AND WATER TESTING DEVICE	1.Dr.S.DA Sujitha 2. Dr. P R. Mahalle 3.Dr. BK Sarma 4.Dr R Babu 5. Dr Kavita Chahal	Design No. 412099-00100, Date 30/03/2024,

Awards/Fellowships

S.N	Name of the Award	Sponsoring Agency	Level	Period
1.	Paryavaran Pariraksha k Award	Sidvi Society for Research & Development, MSME, Govt of India In 2nd International Conference on Advancing Knowledge from Multidisciplinary Perspectives In Agricultural, Life Sciences, Engineering & Technology-2024 (ICAKMPALET-2024) International Award Ceremony Pratibha 2024 Date 26th, 27th JAN 2024	INTERNATIONAL	Jan 2024

2.	Research Excellence Award	Institute of Scholars, Ministry of MSME & Corporate Affairs, Govt. of India	National	March 2022
3	Best Researcher Award	International Journal of Microbial Science, Maharashtra	International	2021-22

Books Co-Authored

S. N	Publication Type	Title of the Book with year of publication and other Publication details	ISBN No.	Level
1.	My Rays Book Publication Center Maharashtra powered by the International Journal of Microbial Science. 2021	'Practical Handbook of Microbiology . F.Y.B. Sc. Microbiology (Semester II) MB 123- Practical Course Based on Theory Paper I and II'	978-93-5408-867-4,	International
2.	My Rays Book Publication Centre powered by International Journal of Microbial Science (ISSN: 2582 967 X. 2022	Practical Handbook on Metabolism & Molecular Biology MB 368 (T.Y B.Sc Microbiology) Savitribai Phule Pune University, Pune	978 93 93337 04 7	International
3.	My Rays Book Publication Centre powered by International Journal of Microbial Science (2582-967X), May2022	Practical Handbook entitled Environmental Microbiology and Biodiversity , for M.Sc. Semester II as per the syllabus of Sant Gadge Baba Amravati University, Amravati	978-81-954818-4-2	International
4.	My Rays Book Publication Centre powered by International Journal of Microbial Science https://theijms.com/2022	Textbook entitled ' Dairy Microbiology ' Choice Based Credit System (CBCS) 2019 Pattern Implemented from 2021-22 As per the syllabus by Savitribai Phule Pune University, Pune Applicable to all Indian Universities'	978-93-93337-19-1	International
5.	My Rays Book Publication Centre powered by International Journal of Microbial Science https://theijms.com/2022	Textbook entitled ' Nanobiotechnology Choice Based Credit System (CBCS) 2019 Pattern Implemented from 2021-22 As per the syllabus by Savitribai Phule Pune University, Pune Applicable to all Indian Universities'	978-93-93337-18-4	International
6.	International Journal of Microbial Science https://theijms.com/2022	Practical Handbook entitled Handbook entitled ' Biostatistics and Computational Applications (MSc 1 Semester1)'	978-93-93337-12-2	International

Editor of Book by National / International Publisher

S. N	Title of the Book Chapter/Book/ Conference Proceeding, with year of publication and other Publication details	ISBN No.	Level International/ National	Author - ship
1.	Advances in Plant Science Vol IV, Bhumi Publishing, Pgs. 1-115, Maharashtra, India. https://www.bhumipublishing.com/books/	978-93-91768-53-9	National	Second Editor
2.	'Economic Importance of different classes of plants.' June 2021. Krishna Publication House, pgs. 1-229, Gujarat.	978-93-90627-08-0.	National	Single Editor
3.	'Economic Importance of Microbes'. Feb 2021. Krishna Publication House, Pgs. 1-239., Gujarat.	978-81-949205-1-9.	National	Single Editor
4.	'Frontiers in Life Science' Vol II. First Edition, July 2021. Bhumi Publishing, Pgs. 1-162, Maharashtra, India. https://www.bhumipublishing.com/books/ .	978-81-953600-8-6.	National	Second Editor
5.	Plant-derived drugs and drug repurposing, Vol I, Integrated Publication, Aug 2021 Book DOI: https://doi.org/10.22271/int.book.73	978-93-90471-44-7	National	Single Editor
6.	M.Sc. II Semester III Practical V (Applied Microbiology, Practical Handbook. My Rays Book Publication Centre powered by International Journal of Microbial Science (ISSN:2582-967X)	978-81-954818-6-6	International	Content Editor
7.	Advances in Microbiology, Volume II, April 2022 Bhumi Publishing, Maharashtra, India https://www.bhumipublishing.com/books/	(ISBN: 978-93-91768-82-9)	National	Third Editor
8.	Environment and sustainability, Volume I, June 2022 Bhumi Publishing, Maharashtra, India https://www.bhumipublishing.com/books/	978-93-91768-70-6)	National	First Editor
9.	'Fermentation Technology I and Agricultural Microbiology.' My Rays Book Publication Center powered by International Journal of Microbial Science. May 2022.	ISBN: 978-93-93337-17-7	International	Content Editor

10.	Diagnostic Microbiology and Immunology Practical Handbook of Microbiology Publisher: My Rays Book Publication Centre powered by International Journal of Microbial Science (ISSN:2582-967X), 2022.	ISBN: 978-93- 93337- 31-3	Internat ional	Single Editor
11.	Plant-derived drugs and drug repurposing, Vol II, Integrated Publication, March 2022 Book. https://doi.org/10.22271/int.book.131 https://www.integratedpublications.in/edited-book-archives/plant-derived-drugs-and-drug-repurposing/2022/volume-2/1746876791-sulfur-derived-functional-groups-in-pharmaceuticals-and-natural-products	978-93- 93502- 33-9	Nationa l	Single Editor
12.	"Green Chemistry for the Development of Eco-Friendly Products," 2022. Pg.300. IGI Global. Pennsylvania, USA DOI: 10.4018/978-1-7998-9851-1	ISBN1 0:1799 898512	Internat ional	First Editor
13.	"Perspectives on Global Biodiversity Scenarios and Environmental Services in the 21st Century," 2023. IGI Global. Pennsylvania, USA.	978166 849034 1	Internat ional	Co Editor
14.	Futuristic trends in Agriculture, Engineering and Food Sciences. Interactive International Publishers. Vol 3. 2024	978-93- 5747- 388-0	Internat ional	Co Editor
15.	"Introduction to microbial world" My Rays Book Publication Centre powered by International Journal of Microbial Science), 2024	(ISSN: 2582- 967X	Internat ional	Co Editor
16.	International Journal of Microbial Science https://theijms.com/2025 BASICS OF MICROBIOLOGY Semester II, Paper I, MB-151-T As per syllabus by NEP 2020 and Applicable to all Indian Universities. Edition: I (22 January 2025)	ISBN:97 8-81- 981751 -0-6	Internat ional	Co Editor

Research Papers in Peer-reviewed or UGC-listed Journals

Citations:



Dr. Kavita Shakya Chahal

Assistant Professor, Government Model Science College Jabalpur, Madhya Pradesh
Verified email at mp.gov.in

Microbiology Ecology Pharmacology

FOLLOWING

Cited by

VIEW ALL

	All	Since 2020
Citations	94	81
h-index	6	5
i10-index	4	3

S.	Title of the paper, with the Journal's name,	ISSN	Im	Aut
N.	Year of publication, Vol. No., Page Nos., etc.	No.	pa	hor-
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			F	
1)	Immunomodulation. MADHYA: The Midges, Journal of Association for Health in Middle-Aged. JOURNAL of AHIMA—the official publication of the American Health Information Management Association. 2005.	-	-	Sing le Auth or
2)	Decayed wood inside hollow trunks of living trees of <i>Tamarindus indica</i> , <i>Syzygium cumini</i> , and <i>Mangifera indica</i> as natural habitat of <i>Cryptococcus neoformans</i> and their serotypes in Jabalpur City of Central India. Journal de Mycologie Médicale – Elsevier Publisher, A Peer Reviewed Journal. Vol 16: 63-71. 2006.	ISSN no.11 56- 5233	2.8 51.	seco nd Auth or
3)	Antibacterial potentiality of ethanolic extract of Vitex negundo. Research Hunt. Vol III (IV), 64-65. 2008.	0973- 5569	.54	Thir d A
4)	Synergistic efficacy of five medicinal plants on lipid peroxidation in asthmatic murine model. Indian Journal of Applied Life Sciences. (Published by Vidisha Science Academy, Societies Registration Act of 1860) a peer reviewed journal, Vol 4 (1&2), 39-42. 2008.	ISSN no.09 73- 838X.	.62	First Auth or
5)	Inhibitory effect of Glycyrrhiza glabra extract on deoxyribose degradation by Fentons method. Bioscience Biotechnology Research Communications . Official J of Society for Science and Nature (An open access peer reviewed International Journal for Rapid Publication). Vol 1, No.1: 54-58. 2008.	ISSN no.09 74- 6455.	.91	First Auth or
6)	Antioxidant Activity of a Synergistic Composition of Medicinal Plants and their Impact on Immediate-Type Allergic Asthma. Advances in pharmacology and toxicology, (Publisher: Connect Journals) (A Peer Reviewed International Journal). Vol.9 (1), 107-116. 2008.	ISSN no.09 73- 2381	.32	First Auth or
7)	In vitro hepatoprotective activity of Bauhinia Variegata. Pharmacologyonline, SILAE (Societa Italo Latino americana di Etnomedicina) publisher. A Peer Reviewed Journal. Vol 3: 114-118. 2009.	ISSN no.18 27- 8620.	.5	Thir d Auth or
8)	Synergistic effect of five medicinal plants on glutathione peroxidase and reduced glutathione in asthmatic mice. Asian J of Microbiology, Biotechnology, and Environmental Sciences, (Global Publications) . Vol. 11(4), 963-968. PEER-REVIEWED JOURNAL; NAAS Rating - 4.93; ISSN: 0972-3005; h-index: 13; SCImago Journal Rank (SJR): 0.115; Scientific Publishers.	ISSN no.09 72- 3005.		First Auth or

9)	Comparative effect of a polyherbal composition on mast cell-mediated immediate hypersensitivity reaction. Asian Academic Research Journal of Multidisciplinary (publisher: Asian Academic Research Associates). Vol. 1 (31): 313-322. Peer-reviewed journal. 2015	ISSN: 2319 – 2801	2.0 7	First Auth or
10)	Immunomodulatory potential of a polyherbal preparation following activation of murine macrophages. International Journal of Pharmaceutical Sciences Research, a web of science- (Emerging Sources Citation Indexed Journal) Vol. 6 (8); 2015 .	0975-8232 ISSN: 2320-5148	0.2 7	First Auth or
11)	In vivo study of <i>Boswellia serrata</i> for modulating immune system and quenching free radical. Advances in Zoology and Botany, Horizon Research Publishing (International Peer-Reviewed UGC Care Journal), Vol 8; No.4., Paper ID: 11416109. 358-368, May 2020 http://www.hrpub.org DOI: 10.13189/azb.2020.080408	2331-5083 (Print) ; 2331-5091	.25	First Auth or
12)	Effect of <i>Boswellia serrata</i> Resin Extract on Cell-Mediated and Humoral Immune Response in Mice. Scholars Research Library. Der Pharmacia Lettre, June 2020 , 12 (7): 1-15. USA CODEN: DPLEB4 (http://scholarsresearchlibrary.com/archive.html). Indexed in Scopus .	ISSN 0975-5071	0.2 4	Seco nd Auth or
13)	Nesting ecology of purple sunbird (<i>Cinnyris asiaticus</i>) in a residential area. International Journal of Fauna and Biological Studies. July 2020, 7 (5), 01-04. https://www.academia.edu/download/94284740/7-4-30-742.pdf	ISSN 2347-2677	5.5 3	Seco nd Auth or
14)	Hygiene Hypothesis as an effective immunity builder'. International Journal of All Research Education and Scientific Methods (IJARESM), UGC certified, open access, peer-reviewed. Volume 9, Issue 3, March -2021 , page: 1036 – 1040. Impact Factor: 7.429, Available online at: www.ijaresm.com).	ISSN: 2455-6211	.74 29	First Auth or
15)	Challenges and Future Prospects of Nanotechnology for Antiviral Drugs. International Journal of Applied Pharmaceutical Sciences and Research. Sierra Journals Publisher. Vol 6 Issue 2 April, 2021 .6(2),1-5. doi: https://doi.org/10.21477/ijapsr.6.2.2 .	ISSN: 2455-8095	1.0 9	First Auth or
16)	Ecology and Management of Chital (<i>Axis Axis</i>) in Pench Tiger Reserve in Central India'. International Journal of Science and Research (IJSR) ISJIF (2019): 7.583. Volume 10 Issue 4, April 2021 www.ijsr.net Licensed Under Creative Commons Attribution CC.	SSN: 2319-7064	.78	Seco nd Auth or

	881-886. Paper ID: SR21418205927 DOI: 10.21275/SR21418205927.			
17)	Bacteria Emerging as an Opportunistic Pathogen. International Journal of Current Science Research and Review, 4(5), 401-407. Volume 04 Issue 05, May,2021 DOI: 10.47191/ijcsrr/V4-i5-12, IJCSRR @ 2021 www.ijcsrr.org Article DOI Link: https://doi.org/10.47191/ijcsrr/V4-i5-12 ;	ISSN: 2581-8341	5.8 25	First Auth or
18)	Drug Repurposing and Traditional Drug Discovery: An Overview. International Journal of Green and Herbal Chemistry. IJGHC, June 2021 –August, CODEN (USA): IJGHAY, An International Peer Review E-3 Journal of Sciences Available online at www.ijghc.com Section B: Herbal Chemistry; Vol.10, No.3, 215-220. DOI: 10.24214/IJGHC/HC/10/3/21520 http://ijghc.com/faq.php?category=Herbal%20Chemistry&volume=10&issue=3	2278-3229.	2.2	First Auth or
19)	NEP- 2020: Quality Policy for Quality Academic Research (2021); International Journal of Multidisciplinary Educational Research IC VALUE:5.16; ISI VALUE:2.286, Peer Reviewed, and Refereed Journal: VOLUME:10, ISSUE:8(2), August: 2021, DOI: http://ijmer.in.doi./2021/10.08.26	2277-7881	.78 16	First Auth or
20)	Finding Solutions to Ever changing Climate; Nov 2021; Journal of Interdisciplinary Cycle Research. (UGC Care J-2); Volume XIII, Issue XI, November/2021 Page No: 214-228. DOI: DOI:18.0002.IJCR.2021.V13I11.008301.317123627	0022-1945	.62	First Auth or
21)	Features of Learning Management Systems (LMS) for Improving Teaching and Learning; Nov 2021; Journal of Interdisciplinary Cycle Research (UGC Care J-2); Volume XIII, Issue XI, November/2021 Page No: 192-206. https://jicrjournal.com/index.php/volume-13-issue-xi-november-2021/	0022-1945	.62	First Auth or
22)	Chemical Markers and Bioactive Compounds From Plants: An Overview; World Journal of Pharmaceutical Research SJIF Impact Factor 8.084 Volume 10, Issue 14, 662-675. Review Article. DOI :10.20959/wjpr202114-22377.Nov 2021	2277-7105	.80 84	Sing le Auth or
23)	Response of Microbial Biomes, especially Fungi to Global Climate Change. Dec 2021. Vol 11, issue 12, Page No: 12-17. Suraj Punj Journal for Multidisciplinary Research. UGC Approved DOI: https://www.spjmr.com/gallery/spjmr%201619.pdf	2394-2886	.61	Sing le Auth or
24)	An Overview of Various Forms of Alternative	2320-2882	.79 7	Sing le

	Medicine in Modern Society. International Journal of Creative Research Thoughts. Volume 9, Issue 12 December 2021 ISSN: 2320-2882 (IJCRT) www.ijcrt.org Pg c700-707. UGC Approved Journal No: 49023 (18)			Author
25)	Arbuscular Mycorrhizal Fungi: A Potentially Sustainable Alternative in Agriculture and other Ecosystems. Strad Research . VOLUME 9, ISSUE 7, July 2022 .UGC Approved Journal. Pages: 296 – 307. https://doi.org/10.37896/sr9.7/021	ISSN: 0039-2049	.61	First Author
26)	Predilection Of Indian Portfolio Framework In COVID-19 Infodemic - An Analysis. Journal of Pharmaceutical Negative Results Volume 13 Special Issue 5 Aug. 2022 . Pg. 940-944. Publisher,Wolters Kluwer Medknow Publications. Scopus indexed . SCImago Journal Rank 0.128 https://pnrjournal.com/index.php/home/article/download/2587/2234	09769 234, 22297 723	0.39	Fifth
27)	Comparative In vitro study of antibacterial and antifungal activity of Tea Tree (<i>Melaleuca alternifolia</i>) essential oil, Lemon grass (<i>Cymbopogon citratus</i>) essential oil, and Peppermint (<i>Menthae piperitaeaetheroleum</i>) essential oil. September 2022 IJIRT Volume 9 Issue 4. IJIRT 156559 International Journal of Innovative Research in Technology 106-112.	2349-6002	0.6835	Second
28)	Study of Antibacterial and Antifungal Activity Of Tea Tree (<i>Melaleuca alternifolia</i>) Essential Oil. International Journal of Recent Scientific Research. Vol. 13, Issue, 09 (A), pp. 2223-2225, September, 2022 . DOI: http://dx.doi.org/10.24327/ijrsr.2022.1309.0456	0976-3031	.73	Second Author
29)	Ek swachhata Siddhant- Nimm Swachhata, Unnat pratiraksha, VIGYAN GARIMA SINDHU, अंक 120; (March 2022) , COMMISSION FOR SCIENTIFIC & TECHNICALTERMINOLOGY, GOVERNMENT of INDIA. UGC-CARE Listed Journal http://www.gwcet.ac.in/Department/R%20&%20D%20Cell/List_of_UGC_Care_Journal.pdf	2320-7736 (online)	0.7	Single author
30)	Promising Seaweeds against Human Viruses: A Review. March-April 2023 Indian Journal of Pharmaceutical Sciences. UGC J & WEB OF SC J . April 2023 ;85(2):288-298	0250-474X	0.97	Second
31)	Phytosociological Study on Tree Species Diversity of Tribal Areas of Bichhua Tehsil, Chhindwara, Madhya Pradesh, India. Jour PI Sci Res 39 (3) 31–38, Nov-Dec 2023 . DOI:- https://doi.org/10.32381/JPSR.2023.39.03.19 UGC J	0970-2539 e-ISSN: 0976-3880	0.9	First
32)	Exosome-Based Macromolecular neurotherapeutic drug delivery approaches in overcoming the Blood-Brain barrier for treating brain disorders. Publication date 2024/4/18, European Journal of	ISSN : 0939-	5.571	Fifth

	Pharmaceutics and Biopharmaceutics, Vol 199 Pages 114298. Publisher Elsevier . https://doi.org/10.1016/j.ejpb.2024.114298	6411 (print)		
33)	The Role of Nanotechnology in Environmental Remediation Opportunities and Challenges. / African.Journal of.Biological.Sciences. 6(10) (2024). Elsevier (Scopus) . https://doi.org/10.33472/AFJBS.6.10.2024.4359-4380	ISSN : 2663-2187	0.15	Fourth
34)	An Ethno-Botanical Study of Indigenous Medicinal Plants and Their Usage in Rural and Tribal Areas of Bichhua Tehsil, Madhya Pradesh, India. Elsevier (Scopus) . / African .Journal of.Biological.Sciences.6(Si4) (2024). 3961-3969 https://doi.org/10.48047/AFJBS.6.Si4.2024.3961-3969	ISSN: 2663-2187	0.15	Second
35)	Microbial Biosynthesis of Novel Bioactive Compounds. Advances in Bioresearch Adv. Biores., Vol 15 (4) July 2024 :309-321 ©2024 Society of Education, India Print ISSN 0976-4585; Online ISSN 2277-1573 Journal's URL: http://www.soegra.com/abr.html CODEN: ABRDC3 DOI: 10.15515/abr.0976-4585.15.4.309321	Print ISSN 0976-4585; Online ISSN 2277-1573	0.36	Third
36)	Antifungal potential of human pathogenic Blastobotrys sp. by Bacillus licheniformis strain S10 identified using 16S rRNA and first time cultivated on Glycerol Asparagine Agar with implications for NCBI database enhancement. Chinese Journal of Evidence-Based Medicine.Scopus J. Vol 20,No.1, 2024 , pg 795-806. DOI: https://doi.org/10.1220/Cjebm.2024371653	Online ISSN 1672-2531	05	30 th
37)	Phylogenetic Studies in Botany and Tracing the Evolutionary History of Plant Species. Nanotechnology Perceptions 20No.7(2024)3496-3511. Publisher: Brookfield Academic Limited, United Kingdom.	ISSN 1660-6795	29	1 st
38)	Medicinal Plants and Traditional Uses and Modern Applications Journal of Neonatal Surgery. Vol. 14, Issue 3 (2025) 14 (3), 162-175. https://www.jneonatsurg.com PUBMED Link: https://www.ncbi.nlm.nih.gov/nlmcatalog/101606704/ Journal Link: http://www.jneonatsurg.com/index.php/jns Scopus Link: https://www.scopus.com/sourceid/21101039171#tabs=0 DOAJ Link: bit.ly/49X3xYn	ISSN(Online): 2226-0439	016	4 th
39)	A Mahale, Dr. PSinha; Dr.M Nawange; Dr.K Chahal; V Aglawe (2025) Screening of Fungal Pathogens Isolated from the Oral Cavity and their Response to Plant-based Antifungal Activity. International Journal of Innovative Science and Research Technology, 10(4), 1110-1115. https://doi.org/10.38124/ijisrt/25 apr818			

Chapter Publications in Book/ Conference Proceeding

SN	Chapter / Proceeding	Title and other details	ISBN No.	Level	Authorship
1.	Chapter in Book	Regulatory Affairs in Herbal Products, Plant-derived Hepatoprotective Drugs (2023) 1: 115. Publisher Name Bentham Science Publisher. https://doi.org/10.2174/9789815079845123010007	978-981-5079-84-5, 2023	International	Third author
2.	Chapter in Book	A Crucial International Agreement for Sustainable Development: Convention on Biological Diversity, pg. 39- 45. Book Title: Biodiversity, Conservation AND ITS Applications, Printed by Aryan Press, New Delhi 2023	978-93-90648-87-0	National	First
3.	Chapter	Influencing factors effects and solutions to environmental issues in modern society. Sahitya aur samaj, Vanya publications, Kanpur 2023.	978-93-95288-26-2	National	First Author
4.	Chapter in Book	Phenolic compounds under stress. Book title: Plant metabolites under environmental stress. Apple Press Press, CRC.2023.	978-1-77491-095-5	International	Second author
5.	Chapter in Book	Arbuscular Mycorrhizal (AM) Fungi as a Tool for Sustainable Agricultural System [Aug 2020], IntechOpen, DOI: 10.5772/intechopen.94442.	978-1-83881-941-5	International	First Author
6.	Chapter in Book	Opportunistic Pathogens: An Overview. 29-46, Aug 2020. New Vistas in Microbial Sciences Volume – 1. Integrated Publications, New Delhi.	978-93-90471-33-1.	National	First Author
7.	Chapter in Book	Women and Education: Repairing the roads.’ Gender, Environment and Globalization. 45-53, July 2020. NB Publications, New Delhi.	978-93-89234-82-4.	National	First Author
8.	Chapter in Book	‘Future of Environmental Governance: Role of Civil Society’. Environmental Ethics and Law.80-89, July 2020. First Edition: 2020. Published by: VL Media Solutions.	978-93-87916-94-4.	National	First Author
9.	Chapter in Book	A close insight into the nesting ecology of purple sunbird (<i>Cinnyris asiaticus</i>)’. Applied Entomology & Zoology, Vol. 7, 75-85, 2020. June 2020. AkiNik Publications, New Delhi.	978-93-90420-97-1.	National	Second Author
10.	Chapter in Book	Toxic effects of mercury in environment and human health’. 236-250, 2020. An overview of Toxicants. 2020. Vishwagayan Prakashan, Delhi.	978-93-83837-97-7.	National	Second Author

11	Conference proceeding	'Environmental Pollution and Health Management (EPHM-2020)" by Career College, Bhopal, and American Society for Microbiology. Title: Effect of a polyherbal drug combination on GP and GSH using murine model' (28th-29th Feb 2020)	978-81-840512-4-4	International	Single Author
12.	Conference proceeding	<i>Climate Change, Mangroves and Sustainable Management. University of Mumbai, Mangrove Society of India & Sahyadri Botanical Society, Kolhapur. (June 2020)</i>	978-93-88901-10-9	National	Single Author
13	Conference proceeding	"Ayurveda: Translating knowledge into practice"2024, organized by Govt. Girls College Katni, M.P (Dept of H Ed)	978-81-957627-8-1	National	Single Author
14	Conference proceeding	<i>A Conference Proceedings on Multidisciplinary Innovative Research & Practice for Sustainable Development 2024[ICMIRPSD - 2024] Date: 28th & 29th July, 2024. SIDVI FOUNDATION Hyderabad-500084, Telangana</i>	978-81-971792-9-7	International	Single Author
15.	Conference proceeding	<i>Indigenous knowledge system: Importance. Vol 21 Anusandhaan National Seminar Special issue. Govt H Sc College, Jabalpur.</i>	ISSN No. 0975-3443	National	First
16	Chapter in Book	Quality Assurance anyone of Ethno-Herbals, 2025, 33-42 (2025) Bentham Science Publisher. ISBN (Online): 978-981-5274-55-4 ISBN (Print): 978-981-5274-56-1 https://drive.google.com/open?id=11eSA5yh_SWI_wTLte4uN5m-uPt9XERUK&usp=drive_fs		International	First author

Papers Presented in Seminars/Conferences

S. No	Title of Conferences	Organized by	Title of the paper	Year	Level
1.	ICAKMPALET	Sidvi Foundation, Puduchery, MSME, Govt of India	Immunomodulatory effects of Probiotics	26-27Jan 2024	International Conference
2.	Conservation & management of biodiversity in 21st century	Govt. MVM College, Bhopal, M.P	Diversity of medicinal plants in MP	26-27 Feb. 2011	National Seminar

3.	Biodiversity – Environment Interplay	Govt. Science & Commerce College Benazir, Bhopal,	Role of biodiversity on environment sustainability	2009	National Seminar
4.	Biotechnology for the 21st century: New horizons	St. Aloysius College, Jabalpur, M.P.	Immunomodulation	18-19 Dec. 2009	National Seminar
5.	World Ayurveda Congress & Arogya.	National Institute of Ayurveda, Jaipur	Effect of a synergistic herbal composition on mast cell stabilization	2008	International Conference
6.	Genetics Revisited: The Genomics and Proteomics Advantage	Andhra University, Vishakhapatnam .	Immunomodulatory potential of a synergistic herbal preparation and its impact on allergic asthma	Feb. 2008	International
7.	XXth M.P Young Scientist Congress	Ujjain, Madhya Pradesh	Investigations into the antioxidant activity of medicinal plants for treating allergic asthma	2005	State level

Invited lectures / Resource Person

S.No	Title of Seminar	Organized by	Title of the paper/Guidance	Year	Level
1.	Ecoclub Workshop	Govt. College Bichhua, Chhindwara	Sustainable Environment	Jan 2024	State
2.	National Science Day	NSCB Govt. Gils College, Seoni, M.P	Microbiology aspects of Covid-19 Pandemic	1 st & 2 nd March 2021	National
3.	National Science Day	NSCB Govt. Gils College, Seoni, M.P	Self-employment opportunities	28 th Feb 2021	National
4.	Swami Vivekanand Career Margdarshan Yojna	Narhonna A, Department of Higher Education, Govt. of M.P	Career Guidance	2020	State
5.	2 nd INSPIRE DST science camp	Smriti College of pharmaceutical education, Indore M.P	Biotechnology: an overview	16 th to 20 th Dec 2019	National
6.	1 st INSPIRE DST science camp	Smriti College of pharmaceutical education, Indore M.P	Microbiology: future prospects	17 th to 21 st 2018	National
7.	National Children's Science Congress	KV No.1 GCF Jabalpur, M.P	Health and well being	2018	State
8.	National Children's Science Congress	KV No.1 GCF Jabalpur, M.P	Natural resource management	2017	State
9.	National Children's Science Congress	KV No.1 GCF Jabalpur, M.P	Food and Agriculture	2016	State
10.	INSPIRE internship science camp	Rukamani Devi Institute of Science & Technology, Bhopal	Immunology: Defence mechanism of body	16 th to 20 th Dec 2013	National


11.	INSPIRE internship science camp	Corporate Institute of Science&Tech., Bhopal	Role of microbes in everyday life	10 th to 14 th June 2013	National
12.	INSPIRE internship science camp	Takshshila College, Bhopal	World of Microbes	8 th -12 th Dec 2012	National
13.	INSPIRE internship science camp	Excellence College, Dewas, M.P	Jury for models exhibits	2-4 Aug 2010	National
14.	Basic Mol.Bio RDT, & Plant Tissue Culture	Global Green, Career College, Bhopal, M.P	Plant Tissue Culture Techniques	29 th Jan 2005	College

Creation of ICT mediated Teaching-Learning pedagogy and e-content development of new and innovative course

e-Content Development
e- content (developed in 4 quadrants) per module) for B.Sc. First Year on course S1-BOTA2G, Herbal Cosmetics, Module 3.2, Higher Education Department, Government of M.P link: HC: Video Link 3.2 (mp.gov.in)
e- content (developed in 4 quadrants) per module) for B.Sc. First Year, Module 3.5, S1-BOTA1T (Applied Botany), Higher Education Department, Government of M.P link: AppBot: Video 3.5 (mp.gov.in)
e- content (developed in 4 quadrants) per module) for B.Sc. Second Year on course, Cane Industry, Higher Education Department, Government of M.P link: HC: Video Link 3.2 (mp.gov.in)
e- content (developed in 4 quadrants) per module) for B.Sc. Second Year, Module (Sugarcane Industry), Higher Education Department, Government of M.P link: AppBot: Video 3.5 (mp.gov.in)

Memberships

1. Active Life member of Mahakaushal Vigyan Parishad, Jabalpur
1. Active Life member of the Microbiologists Society, India
2. Life Membership No. is MS/LM/700 http://www.microbiosociety.org/
3. Active Life member (ID no. 20223REA21) Institute of Scholars, Ministry of MSME & corporate affairs, Govt. of India (https://www.insc.in/awards/singleinfo.php?tid=6692)
4. State Coordinator : ECOR foundation by NitiAyog, Govt. of India
5. Editorial Board Member. American Journal of Life Sciences ISSN no.2328-5737. https://www.sciencepublishing.com
6. Editorial Board Member: Edwin Group of Journals, E-Elsevier
7. Life Member (ISROSET-1102) of this prestigious group of ISROSET®. International Journal of Scientific Research in Biological Science. ISSN: 2347-7520 (Online) https://www.isroset.org/journal/IJSRBS/edu_board.php

8. Editorial Board Member: International Journal of Current Science Research & Review ISSN 2581-8341. https://ijcsrr.org/editorial-board/	
9. Active member (Vidwan ID:175930) 	An MHRD Project National Mission on Education through ICT(NME-ICT) https://vidwan.inflibnet.ac.in/profile/175930
Researcher ID: https://www.scihorizon.com/RID-20200523 Google Scholar: https://scholar.google.com/citations?hl=en&user=abP0gK4AAAAAJ Research Gate: https://www.researchgate.net/profile/Kavita-Chahal-2 ORCID: https://orcid.org/0000-0002-1404-7171 Web of Science Researcher ID is AAE-2477-2022. Lens.org: https://www.lens.org/lens/profile/623121476/scholar	

College Main Responsibilities

S. N	Responsibilities	Name of Committee
1.	Nodal officer/ Incharge	NCC Navy, ECO CLUB, Energy Club, NAAC criteria VII, IT Cell, NSS
2.	Member	IQAC, NAAC Technical Committee, Red Cross Society, Women cell, Website Committee

WORKSHOPS, FDPs, TRAININGS, AND COURSES ATTENDED (other than MHRD)

S N	COURSE/ TRAINING/ WORKSHOP/ FDP	ORGANIZER/INSTITUTE	DATE
FACULTY DEVELOPMENT COURSES			
1	" Personality Development"	Department of Higher Education, Government of Madhya Pradesh (MP)	From 28/02/2022 to 05/03/2022
2	" Secrets of Human Bio-energy fields & Subconscious mind"	AICTE Training and Learning (ATAL) Academy Online Elementary FDP at Sona College of Technology	12 th to 16 th July 2021
3	BEST PRACTICES IN DEVELOPMENT OF E-CONTENT	Department of Higher Education, Government of Madhya Pradesh (MP)	5 th to 10 th July, 2021
4	" Nano Furtherance of Pharmaceutical Engineering: An Industrial Perceive"	AICTE Training and Learning (ATAL) Academy Online Elementary FDP, at Nirmala College of Pharmacy, Salem (Tamil Nadu)	21 th to 25 th June 2021

5	"Waste Valorization towards a Sustainable Environment"	AICTE Training and Learning (ATAL) Academy Online Elementary FDPat National Institute of Technology Durgapur(West Bengal)	14 th to 18 th June 2021
6	" Application of Computers in Biology"	AICTE Training and Learning (ATAL) Academy Online Elementary FDPat Galgotias University Greater NOIDA(UP)	07 th to 11 th June 2021
8	one-week National Workshop on 'Learning Management System: Moodle',	organized by SNTD Women's University, Mumbai, Ministry of Human Resource Development, PMMMNMTT	27 th July to 2 nd Aug. 2020
9	FDP on advanced concepts for developing MOOCs	Organized by Teaching Learning Center, Ramanujan College, University of Delhi, Ministry of Human Resource Development, PMMMNMTT.	2 nd to 17 th July 2020
10	Two Week Faculty Development Course on 'Comprehensive e-learning to e- Training Guide for Administrative Work',	Organized by Teaching Learning Center, Ramanujan College, University of Delhi, Ministry of Human Resource Development, PMMMNMTT.	25 th May to 5 th June 2020
11	Online Workshop on Introduction to Research Based Pedagogical Tools (RBPTs).	The workshop was organized by Center of Excellence in Science and Mathematics Education (CoESME) established under MHRD's Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMNMTT) scheme at Indian Institute of Science Education and Research (IISER) Pune and Wilson College, Mumbai.	18 th to 23 rd May 2020
12	National Level Faculty Orientation Workshop on Revised Guidelines of NAAC	Yashwantrao Chavan Institute of Science, Satara (Autonomous), Maharashtra Certificate ID:-FDP-RGN:2020/073	From 27 th April 2020 to 2 nd May 2020.
13	International One Week Faculty Development Programme On Research Methodology	Organized By Amar Sewa Mandal's Kamlanehru Mahavidyalaya, Nagpur-440024, Maharashtra. Certificate No: Qptp3a-Ce002245	2ND MAY 2022 TO 7 th MAY 2022
14	State Level Training Programme on RUSA Software"	RUSA, Maharashtra and IQAC, Sangameshwar College (Autonomous), Solapur	22/07/2021
15	one-week National FDP on Research Methodology,	ASM Kamla Nehru Mahavidyalaya, Nagpur	From 26 th April to 1 st May 2021.
16	One Week National Level Faculty Orientation Workshop on Revised Guidelines of NAAC organized by Internal Quality Assurance Cell,	Yashwantrao Chavan Institute of Science, Satara (Autonomous), Maharashtra Certificate ID:-FDP-RGN:2020/073	From 27 th April 2020 to 2 nd May 2020.

17	seven days webinar series faculty development programme on "Beyond academic excellence - a reality show"	office of the controller of examinations & department of history - historia 20, nallamuthugoundermahalingam college (Autonomous) Pollachi, Coimbatore, Tamil Nadu.	From 25 th to 31 th May 2020
18	One Week Online Faculty Development Programme {F.D.P.} on I.C.T. Tools for Effective Teaching learning	Internal Quality Assurance Cell and Faculty of Humanities, Chintamani Mahavidyalaya, Ghugus. Ghugus Taluka & District-Chandrapur {MS3442505}. Grade A.	From 1 st to 6 th June 2020
19	One Week Online Faculty Development Programme on "ICT Tools for Effective Teaching and Learning"	ISTE Chapter, Murugappa Polytechnic College, Chennai in Association with ISTE, Tamilnadu Section Certificate No.: 3XML68-CE000167	From 08-06-2020 to 14-06-2020.
20	One Week Online "NAAC Awareness Programme for Faculty"	Marathwada Mitra Mandal Institute of Technology (MMIT), Lohgaon, Pune - 47 conducted online	From 08/05/2020 to 14/05/2020
21	10 Day Online Faculty Improvement Programme on Developing Teachers' Overall Personality'	Prerna College of Commerce, Nagpur	From 11/05/2020 to 20/05/2020
22	5-Day-National Level Online Faculty Development Program on Artificial Intelligence	Department of Computer Science and Engineering, TIRUMALA ENGINEERING COLLEGE, Affiliated to JNTUN, Hyderabad Recognised by Government of TS. AN ISO 9001-2015 CERTIFIED INSTITUTION, in collaboration with National Youth Council of India and Brainovision Solutions India Pvt.Ltd. setting a proud world record with 13000 diligent learners across the nation.	From 22nd to 26th May 2020
23	One Week Online Professional Certification Programme in LMS for Educators	St. Joseph's Training College, Mannanam, Kottayam, Kerala in Collaboration with The Kerala State Higher Education Council (KSHEC) E-certificate ID: SJTC-KSHEC-2020-0016 Generated on: 24 May 2020.	From 18th May 2020 to 24 May 2020
24	8 Day National Level Online Workshop on "E-Content Development (Educational Audio-Video Production)"	Maharshi Dayanand College of Arts, Science and Commerce Parel, Mumbai-400012. NAAC 'A' Grade (CGPA 3.03), Awarded Best College (2014-15) by University of Mumbai	From 10th to 17th May 2020.
25	five days long Online International Faculty Development Programme titled "Tips and Techniques for	Mrs. Hisha Jade, Marketing Director, eBizee Institute Convener – IFDP held	From June 15, 2020

	Writing International Quality Research Papers and Publishing in Top Tier International Journals"		to June 19, 2020
26	research prospects and promises of deep learning in problem solving	PG Department of Computer Applications (MCA) of NallamuthuGounder Mahalingam College Pollachi	On 19th MAY to 22nd MAY 2020.
27	4-Day National Level Faculty Development Program on "MANAGING IN DIFFICULT TIMES"	MaladKandivli Education Society's NAGINDAS KHANDWALA COLLEGE (Autonomous) Reaccredited by NAAC with 'A' Grade (3rd Cycle) ISO 9001:2015 Certified.	From 4th June to 7th June 2020.
28	three-day National Level Faculty Development Program	NORTH STORM ACADEMY BMM & BAMMC Department of Lala Lajpat Rai College of Commerce & Economics and University Of Mumbai With North Storm Academy	Held on 30th April, 1st May & 2nd May, 2020.
29	TWO DAYS E-FDP WEBINAR ON "BEST PRACTICES IN INNOVATION IPR AND PATENTS IN PHARMA"	Shri Gajanan Maharaj ShikshanPrasarak Mandal's, Sharadchandra Pawar College of Pharmacy Dumbarwadi (Otur), Tal-Junnar, Dist- Pune 412409, Maharashtra	On 26/05/2020 & 27/05/2020,
30	Two days Online Faculty Development Programme (FDP) on "Project Proposals for Funding Agencies (UGC Stride & ICSSR Impress): Preparation and Submission Protocol"	Patrician College Research Committee, Adyar, Chennai (ranked no.1 college in Tamil Nadu). (CERTIFICATE OF PRLJVS8-CE000256)	On 16.05.2020 and 17.05.2020
31	e-learning tools for effective teaching and learning	Nirmala Memorial Foundation College of Commerce & Science, in collaboration with EdFly	On 16th May, 2020.
32	One Day Faculty Development Program on "Online Teaching Learning Tools"	shiksha mandal's G. S. College of commerce & economics (autonomous college) jabalpur (M.P). Cert. No GSFDP0301	On 27th May 2020
33	Three Day International Online Faculty Development Programme on "Technologies for Healthcare"	Department of Electronics and Communication Engineering, GMR Institute of Technology, Rajam, AP, India,	From 08th - 10th June 2020.
34	Massive Open Online Course (MOOC)	'Introduction to Statistical Analysis' offered jointly by Common wealth Education media center for Asia, &). From 1 st May 2021 to 10 th

		<i>Kalinga Institute of Social Science Bhubaneswar (Odisha)</i>	<i>April 2021.</i>
35	<i>participated in the Seven Day National FDP on Pedagogical Tools Fostering Innovation in Teaching for Generation Z Learners organized by the Department of Management, Kristu Jayanti College (Autonomous), Bengaluru from February 12th 2024 to February 19th 2024.</i>		

SHORT TERM COURSES ATTENDED			
1	<i>Covid 19 Crisis Awareness: Ayurveda's Immunity Boosting Plants</i>	<i>Conducted organised by M.J.B. GOVT. P.G. GIRLS' COLLEGE, MOTI TABELA, INDORE (M.P.)</i>	<i>18th to 24th May 2020</i>
2	<i>"E- Short Term Course (Teaching, Learning & Evaluation in Botany)</i>	<i>Organized by SAHYADRI BOTANICAL SOCIETY, KOLHAPUR and DOODHSAKHAR MAHAVIDYALAYA, BIDRI and secured "A" grade</i>	<i>12th to 17th May 2020</i>
3	<i>"Nature's Altruism and our contribution"</i>	<i>Jointly organized by Department of Chemistry and Botany, SNPG College, Khandwa, M.P. Certificate ID: SN-KNW-0214</i>	<i>May 28 - June 03, 2020</i>
4	<i>Applied Zoology</i>	<i>Organized by DEPARTMENT OF ZOOLOGY of BABURAO PATIL COLLEGE OF ARTS AND SCIENCE, ANGAR, TAL. MOHOL DIST. SOLAPUR and his/her performance was excellent in the said course.</i>	<i>29th April 2020 to 3rd May 2020</i>
5	<i>One-week National E-Short term course on "Astrobiology: Planets and Life"</i>	<i>Organized by Institute of Biological Science, SAGE University, Indore M.P., India</i>	<i>29th June- 05th July 2020</i>
6	<i>Short Term Course 'challenges in discovery of antiviral agents and vaccines'</i>	<i>UGC- Human Resource Development Center, Jawaharlal Nehru Technological University, Hyderabad(Telangana)</i>	<i>8th to 13th June 2020.</i>
7	<i>Short Term Course 'online tools and softwares on remote teaching learning'</i>	<i>organized by UGC- Human Resource Development Center, Jawaharlal Nehru Technological University, Hyderabad (Telangana)</i>	<i>16th to 18th May 2020.</i>
WORKSHOPS			
1	<i>National Workshop on research methodology on physical and biological science</i>	<i>Autonomous scheme of UGC, by faculty of sciences and IQAC, Sri Sathya Sai College for Women, Bhopal, M.P</i>	<i>10th and 11th Feb 2020</i>

2	Regional Workshop	held at Govt. M.H. College of Home Science and Science for Women, Jabalpur (M.P.)	11 Jan. 2020.
	"Role of IQAC in Assessment and Accreditation Process"	organized by Internal Quality Assurance Cell of PSGVP Mandal's SIP Arts, GBP Science and STKVS Commerce College, Shahada, Dist - Nandurbar (M.S.) in collaboration with State Project Directorate, RUSA, Maharashtra and Joint Director, Higher Education, Jalgaon Region	On 22nd May 2020.
3	Certificate Course in Bioinformatics	MPSTEP, MANIT, Bhopal, M.P. Project (Bioinformatics): "In silico study of MUC genes in animal model of allergic asthma"	May-June 2005
4	Workshop on 'Advanced Diagnostic Techniques in Immunology;	Conducted by Department of Research, Bhopal Memorial Hospital & Research Center, Bhopal (three weeks).	7-28 Jan 2011
5	Workshop on 'Immunology & Molecular Biology'	Organized by Bangalore GENEI held at Extol College, Bhopal (three weeks).	5 -25 Aug. 2006
6	Workshop on 'Water Conservation'	organized by Lake Conservation Authority of M.P., Bhopal	(5-6 Feb. 2007).
7	Training and Workshop on Innovative Methods in Laboratory Preparation	organized by Govt. Motilal Vigyan Mahavidyalaya, Bhopal	(19-22 Feb. 2007)
8	10 days Training in Microbiology	Shaw-Wallace Pharmaceutical Industries Ltd., Jabalpur, M.P	(7-16 June 2001)
9	National Academy of Sciences, India - Jagruktaabhiyan for COVID 19 pandemic	Organized by Department of Biotechnology, AKS University, Satna, M.P.	16 th Feb 2021
10	E- Course entitled "BENEFICIAL MICROBES"	Organized By The DEPARTMENT OF PLANT BIOLOGY AND PLANT BIOTECHNOLOGY, GURU NANAK COLLEGE (AUTONOMOUS) AFFILIATED TO UNIVERSITY OF MADRAS AND RE-ACCREDITED AT "A" GRADE BY NAAC, GURU NANAK SALAI , VELACHERY, CHENNAI.	
11	E- Course entitled "BOTANY THE SUBJECT FOR ALL"	organized by the DEPARTMENT OF PLANT BIOLOGY AND PLANT BIOTECHNOLOGY, GURU NANAK COLLEGE (AUTONOMOUS) AFFILIATED TO UNIVERSITY OF MADRAS AND RE-ACCREDITED AT "A" GRADE BY NAAC, GURU NANAK SALAI , VELACHERY, CHENNAI.	
12	E- Course entitled "SOIL LESS AGRICULTURE"	organized by the DEPARTMENT OF PLANT BIOLOGY AND PLANT BIOTECHNOLOGY, GURU NANAK COLLEGE (AUTONOMOUS) AFFILIATED TO UNIVERSITY OF MADRAS AND RE-ACCREDITED AT "A" GRADE BY NAAC, GURU NANAK SALAI , VELACHERY, CHENNAI.	
13	"National Workshop on Development of Teacher's e-Kit- CHEMISTRY"	Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT) of MHRD.	21 April 2020

14	ICT BASED TEACHING-LEARNING TOOLS”	IH Inquiry Hub, registered under the Ministry of MSMI, Government of India	31 May 2020
15	17 th Jigyasa Workshop 2023, Antariksh me bharat organized by Mahakaushal Vigyan Parishad and MPCOST M.P on 3-7 Oct 2023		
16	participated in Orientation Workshop on capacity building of Eco Club In-charges on implementation of Environment Education Program (EEP) as per guidelines of MoEFCC, Govt. of India on 21 December, 2023 at EPCO, Bhopal.		
17	National Workshop on Research Methodology organized by Department of Geography, Government College Bichhua Chhindwara M.P, on 05/02/2024 to 10/02/2024		

INTERNATIONAL CONFERENCES/ SEMINARS/ WEBINAR SERIES ATTENDED

1. Participated in the International Conference on "Impact on Education Sector after Pandemic in the field of Commerce, Management, Science, Medical, Engineering, IT and Humanities" (Multidisciplinary) Jointly Organized by Govt. College Pithampur-Dhar, Annie Besant College-Indore, Research Foundation of India & RFI CARE on 08 January, 2023
2. Participated in the INTERNATIONAL CONFERENCE "Eco-errisa-2021", Supported by Children and youth Major Group of UNEP and the Global Youth Biodiveristy Network, organised by ECOR Foundation, Cochin, India as a part of Environment day celebration on June 5 & 6, 2021.
3. Participated in one-week international webinar cum environment awareness week on Environmental Benign Technologies-an urge for sustenance, organized by Career College, Bhopal M.P, from 7th to 12th June 2021.
4. Attended International E-Conference on "Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World" organized by Government Vidarbha Institute of Science & Humanities, Amravati, Maharashtra - 444 604 India NAAC re-accredited 'A' Grade (II Cycle) with 3.32 CGPA, India on 15th - 17th May, 2020.
5. This certifies that Dr. Kavita Chahal, Assistant Professor, Department of Botany, Government College, Bichhua, Chhindwara, Madhya Pradesh has participated in International Webinar On Meta-Analysis of Pandemic COVID- 19 & Its Impact on Global Higher Education organized by International Journal of Academic Research in Social Sciences & Humanities ISSN: 2454-2202 In collaboration with Centre for Socio Economic & Business Studies on 18th May 2020.
6. Participated in an International Level Interdisciplinary Webinar on 'Overcome COVID19 Pandemic through Nuances of Life' held on Friday, 29 May 2020., organised by VIVEK EDUCATION SOCIETY'S VIVEK COLLEGE OF COMMERCE GOREGAON WEST, MUMBAI - 400104 Internal Quality Assurance Cell of the College in Association with University of Mumbai.3776SA-CE000085.

7. *Participated in International Webinar on Quarantine and Prevention of Diseases: by International and Comparative Law Perspectives on May 25th 2020, Organized by Centre of Post Graduate Legal Studies (A Central University) Lucknow - 226025*
8. *Attended Online International Symposium on topic "Biotechnological Potential of Mushroom: An Emerging Approach to Fight against COVID-19" From 23rd May to 24th May 2020 organized by Department of Biotechnology, Sri Guru Tegh Bahadur Khalsa College, Jabalpur (M.P.)*
9. *Attended the International Virtual Conference on 'COVID-19: Challenges and Opportunities', jointly organized by Institute of Tourism & Hotel Management, Dr. Bhimrao Ambedkar University, Agra, India and Center for Global Studies, Business School, Howard University, Washington D. C. USA on 14-15 May 2020. We wish her all the best.*
10. *Participated in the International Webinar on "Research Reinvented" organised by the Departments of Commerce & Management, INDIAN ACADEMY DEGREE COLLEGE – AUTONOMOUS, on 29th May 2020. Certificate Id:1A886*
11. *Participated in the One Day International Webinar on "Science and Engineering for Nature Conservation" held on World Environment Day-5th June, 2020, organised by J. C. Bose University of Science and Technology YMCA, Faridabad (A Haryana State Government University).*
12. *Participated in the International Webinar on "Current Trends in Cyber Security Threats and Identity Deception Attacks" on 06 June 2020, Organized by Department of Computer Science and Engineering, AKS University, Satna.*
13. *Participated in International webinar on "Challenges and Opportunities after this pandemic situation of COVID -19 through the Industrial Perspective" jointly organized by Gujarat Technological University, Ahmedabad and Sardar Patel Education Campus, Bakrol, Anand, Gujarat, India on 30th May 2020.*
14. *Participated in one day international webinar on MATLAB Applications in Sciences and Engineering held on Microsoft Team organised by BABA FARID GROUP OF INSTITUTIONS Bathinda, Punjab India on dated May 29, 2020.UID: CONVID-190886*
15. *Participated in one day international webinar on 'Review article writing using MS-Word add in and Publication' jointly organized by International Journal of Microbial Science and Jaywantrao Sawant College of Commerce and Science, Hadapsar, Pune on 31 May, 2020.*
16. *Participated in the International Webinar on "Research Reinvented" organised by the Departments of Commerce & Management on 29th May 2020. Certificate Id: 1A886.*
17. *A TWO-DAY INTERDISCIPLINARY INTERNATIONAL VIRTUAL CONFERENCE LIFE, CULTURE AND EDUCATION TODAY, Jointly organized by Mahatma Gandhi Education & Welfare Society, Parbhani (M.S.) Late Ramesh Warpudkar ACS College, Sonpeth Dist. Parbhani (M.S.), Shri PanditguruPardikar College, Sirsala, Dist. Beed (M.S.) and Kala Mahavidyalaya, Nandurghat, Dist. Beed (M.S.)*
18. *Attending Online International Symposium on topic "Biotechnological Potential of Mushroom: An Emerging Approach to Fight against COVID-19" From 23rd May to 24th May 2020 organized by Department of Biotechnology, Sri Guru Tegh Bahadur Khalsa College, Jabalpur (M.P.), An ISO (9001:2015) Certified/Minority Institution. Issue-24th May 2020*
19. *Participated in International Webinar on "Laughter Yoga",organised by S.S.T. College of Arts & Commerce (Affiliated to University of Mumbai, Mumbai) Ulhasnagar - 421004, Dist. Thane & MUMBAI UNIVERSITY & COLLEGE TEACHERS ASSOCIATION (MUCTA) in association*

with Laughter Yoga International held on 9th May, 2020 and successfully completed the basic learning.

20. *Participated in the International Webinar on “COVID-19: Challenges and Opportunities for Sustainable Environmental Development” on 05-07 June 2020, on the occasion of World Environment Day.*
21. *Participated in the Two days International Webinar entitled "Trends in Sustainability: Regenerative Agriculture" organized jointly by Department of Botany, Maharana Pratap PG College, Jungledhusar, Gorakhpur, Uttar Pradesh in collaboration with Department of Botany, Prabhat Kumar College, Contai, West Bengal, held on 26th and 27th June, 2020.*
22. *Participation in the International e - conference on “Recent Developments for Sustainable Agriculture” held on 29th June 2020 organized by the Faculty of Agricultural Sciences, Bharath Institute of Higher Education and Research (BIHER), Selaiyur, Tambaram, Chennai.*
23. *Participated in the International Level Webinar on “COVID-19 Pandemic Outbreak: Global Scenario” held on 23rd June 2020 organized by the Department of Chemistry, Deogiri College, Aurangabad, Maharashtra, India in collaboration with the Unit for Drug Discovery & Research, Central University of Technology, Free State, Bloemfontein, South Africa.*
24. *Attended 5 days (From May 18th to 22nd May 2020) Summer School on "DRUG DESIGN AND ANALYSIS" Organized by Applied Science SAGE Institute of Research & Technology, SAGE University, Indore (M.P.)*
25. *2010: International conference on “Land water resources, Biodiversity and climate change”, organized by the Bhopal School of Social Sciences, Bhopal, Sponsored by U.G.C.*
26. *Participated in the Webinar Series on “TEACHING LEARNING TOOLS FOR THE DIGITAL ERA” organized by Department of Business Administration, SRI RAMAKRISHNA Y COLLEGE OF ARTS & SCIENCE FOR WOMEN from 11th May, 2020 to 16th May, 2020.*
27. *Participated in the "Vichintana Webinar Series 2020" organized by Internal Quality Assurance Cell (IQAC) & IETE Student's Forum of SREE AYYAPPA COLLEGE, (Estd: 1995, Govt. Aided College, Affiliated to University of Kerala) ERAMALLIKKARA, CHENGANNUR ALAPPUZHA DISTRICT - 689109, KERALA during May 09-15th, 2020.*
28. *Participated in a National Webinar Series (12 Sessions) on "Knowledge Generation in Education during COVID - 19 Pandemic - Qualitative Research" organised by Bombay Teachers' Training College, HSNC University, Mumbai & Department of Education, University of Mumbai, held on 1st June to 6th June, 2020. W3QR-05401.*
29. *Participation in A National Webinar Series on "Knowledge Generation in Education during COVID-19 Pandemic “organised by Bombay Teachers' Training College, HSNC University, Mumbai along with the Department of Education, University of Mumbai held on 12th May to 16th May, 2020.*
30. *Participated in the National Webinar Series on 'Holistic Approach towards COVID 19 organized by Department of Food Science and Nutrition, Sheth P.T. Mahila College of Arts and Home Science, Vanita Vishram in collaboration with Internal Quality Assurance Cell (IQAC), Surat, Gujarat from 1 to 6h June, 2020.*
31. *Participated in Webinar in the Series of Advances in Biotechnology for Health, Food and Nutrition to Encounter COVID-19 and learnt about Food and Nutrition, Immunomodulation to fight COVID-19, Pathogenesis of SARS-CoV-2, Molecular Diagnostics and Immunodiagnosics for COVID-19, and Vaccine Designing to encounter the COVID-19 disease from Eminent*

Speakers of this program on May 22-23, 2020 organised by Government PG College, Satna, M.P.

NATIONAL CONFERENCES /SEMINARS/ WEBINARS ATTENDED

1. *Participated in the webinar by DEPARTMENT OF BOTANY CERTIFICATE OF PARTICIPATION ON BIODIVERSITY AND ITS CONSERVATION Organised by Govt. Degree College Pawai, Dist.Panna (M.P.), on 28th January 2024.*
2. *Participated Successfully in the National Webinar "Use of Ayurveda in the treatment of Chronic Disease", Sponsored by Department of Higher Education, Government of Madhya Pradesh, Bhopal and Organized By Dept. Of Botany, Govt. College, Anjad, Dist. Barwani (MP), held on 17, Feb. 2023.*
3. *Attended One Day National Level Webinar on "Preventive Measures In Confronting Covid-19 3rd Wave Among Children In India" held on 18 th June 2021, organized by Youth Red Cross & IQAC, Government First Grade College, Vijayanagar, Bengaluru.*
4. *Participated in the National level webinar on coronavirus and wildlife trade, organized by Pope's College, TamilNadu, on 9th June 2021.*
5. *Participated in the National Webinar on Recent Advances in Biotechnology, On 20th Oct. 2020 Organized by the Department of Botany, J N V University, Jodhpur.*
6. *Participated in the National online 7 days MCQ series to learn & memorize Botany, from 18 Aug 2020 to 22 Aug 2020, organized by Govt. College, Katni, M.P.*
7. *Participated in Two Days National Level Webinar On "AQAR WRITING AND SUBMISSION AS PER NEW NAAC GUIDELINES" organised by Miraz Mahavidyalaya, Miraz and Dhyandeo Mohekar Mahavidyalaya, Kalamb, from 6th June 2020 to 7th June 2020; Certificate ID: W5752.*
8. *Participated in this National Level Webinar from 18th May 2020 to 22th May 2020. 18th May 2020 - Teacher and Social Responsibility 19th May 2020 - Post Covid-19 Academic Scenario 20th May 2020 - Hygienic Awareness in Covid-19 Pandemic 21th May 2020 - Opportunities and New Techniques for Teachers 22th May 2020 - Awareness of MOOCs in Current Scenario, organised by North Maharashtra University and College Teachers Association, Jalgaon (N-MUCTA). (Reg. No. S/25125/1993)*
9. *Participated in NATIONAL LEVEL TECHNICAL e – Quiz on 05/23/2020 organised by RETUPMOC SC Velankanni Road, Pappakovil, Nagapattinam - 611 102. (Approved by AICTE and Affiliated to Anna Univeristy, Chennai.) DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING.*
10. *Participated in the national webinar on the topic greeny-stuff plants immunity booster held on 29 May - 31 May, 2020 organized by the department of Biological Science, Govt. Girls College, Sidhi.*
11. *Attended the webinar on the topic Molecular Taxonomy and DNA Barcoding: Concepts, Methods and Applications held on 20th May 2020, organized by Department of Botany under the aegis of Internal Quality Assurance Cell (IQAC), R.D. & S.H. National College and S.W.A. Science College Smt. Jotukundnani Chowk, Off Linking Road, Bandra(W), Mumbai-400050. Certificate No:UZ828F*

12. *Actively Participated and Excellent Performance in "COVID-19 AWARENESS QUIZ" organised by National Service Scheme & Red Ribbon Club Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore ON: 22-5-2020. CERTIFICATE ID: NVLAIS-CE000096*
13. *Participated in Online "COVID-19 Awareness & Prevention Program" Organized by SBNM College of D Pharmacy, Mahad, Mumbai - Goa National Highway 66, Achholi Tal. Mahad Dist. Raigad 402305, for creating awareness and support for prevention and countering COVID-19.07PTOG-CE000418*
14. *Participated in the National Webinar on "ONLINE LEARNING: 21st CENTURY EDUCATION AT CROSSROADS" held on Tuesday, 26th May, 2020 organized by the Department of B.Ed., Shri Jai NarainMisra P.G. College, Lucknow*
15. *Attended National Webinar on Intellectual Property Rights : Protection of Intellectual Property and Way Forward Organized by Intellectual Property Rights Coll, Veer Bahadur Singh Purvanchal University, Jaunpur during May 22-23, 2020. Sr. No.: PU/IPR/264*
16. *Participated in National Level webinar on "Nanotechnologies in detection of human fungal diseases and their treatment," on 25th May 2020, organised by MYCOLOGICAL SOCIETY OF INDIA MUMBAI UNIT.*
17. *Participated in the National Webinar entitled " Digital Marketing and Covid 19 Era " organized by I. Q. A. C. Cell and Department of Business Administration, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar, Gujarat, India on 12th may 2020.*
18. *Participated in National Webinar on "Recent Studies on Biodiversity Conservation, Climate Change and Ecosystem Management" on the occassion of World Environment Day organized by Department of Zoology of Sangola College, Sangola. Dist. Solapur, on 7th June 2020, During Lockdown-5.0 due to COVID-19*
19. *Participated in the National Webinar on "Prospects Of Microbes For Human Health" held on 26/5/2020, Organised by the Department Of Zoology, Govt. V.Y.T. PG. Autonomous College, Durg, Chhattisgarh and we wish the best for his her future.*
20. *Participated in One Day Virtual National Seminar on "Comprehensive Quality Initiatives & Challenges for Higher Education in Digital Era" held on 30th May 2020, organised by SOPR People's University, Bhopal, M.P. ZKREVK-CE000460*
21. *Participated in this National Level Webinar on 18th May 2020 - Teacher and Social Responsibility 19th May 2020 - Post Covid-19 Academic Scenario 20th May 2020 - Hygienic Awareness in Covid-19 Pandemic 21th May 2020 - Opportunities and New Techniques for Teachers 22th May 2020 - Awareness of MOOCs in Current Scenario, organised by North Maharashtra University and College Teachers Association, Jalgaon (N-MUCTA) (Reg. No. S/25125/1993)*
22. *Participated in the ONE DAY NATIONAL LEVEL WEBINAR on the topic "MANAGEMENT OF COVID 19 DURING POST LOCKDOWN PERIOD" organised by Smt.L.R.T. College of Commerce, Akola held on 30th May, 2020*
23. *Participated in National Chainwaech Map on "Mycorrhizal Fungi for Sustainable Agriculture" on Monday 1st June 2020 organised by MYCOLOGICAL SOCIETY OF INDIA MUMBAI UNIT*
24. *Participated in "National Webinar on Mangrove diversity of Maharashtra" on 02/06/2020 Organized by Department of Botany of Dapoli Education Society's Dapoli Urban Bank Senior*

Science College, Dapoli-Ratnagiri (Maharashtra). Date: 02/06/2020 ID: DUBSSCWBBOT1216

25. Participated in One Day National Webinar on "New API format of UGC 2019 for Professor, Associate Professor and Assistant Professor" held on 29th May 2020, organised by Dr. M. K. Umathe College, Nagpur Shri Niketan Arts - Commerce College, Nagpur.
26. Participated in the National Webinar on Modern Technologies in Life Sciences" organized by the Department of Life Science in association with Research & Development Cell, MASS COLLEGE OF ARTS AND SCIENCE (Affiliated to Bharathidasan University, Trichy-24) on 28 and 29th May – 2020.
27. Participated in National Level webinar on "Marine Fungi: A potential source of future Cosmeceuticals" organised by MYCOLOGICAL SOCIETY OF INDIA MUMBAI UNIT on Saturday 6th June 2020.
28. Participated in "National Webinar" on Covid-19 Pandemic: Impact & Strategies for Education Sector in India organized by Gitanjali Teachers' Training College, Choa, Hariharpara, Murshidabad, 9933777771, INDIA on 3rd June 2020.
29. Participated in the National Online Webinar on "Education During and After Pandemic COVID-19" organised by O LOGO HOPE EDUCATIONAL SOCIETY, A DIVISION OF VINEET CHHAYA TRUST WELFARE SOCIETY. On May, 24 2020
30. Participated and successfully completed the One Day National level Virtual Conference on "Human Interference on Environment" held on 5th June 2020 on the occasion of world environment day jointly organised by the departments of Botany, Zoology, Chemistry & Mathematics, Government of Karnataka and Department of Collegiate Education Government First Grade College, Tumkur, Karnataka, India, and took the pledge to protect the environment on this event.
31. Participated in the National Webinar on 'Biodiversity Status in context of COVID-19 conducted on May 26, 2020 organised by Department of Botany, SHIROMANI GURDWARA PARBANDHAK COMMITTEE's Guru Nanak Khalsa College of Arts, Science & Commerce (Autonomous) Matunga, Mumbai - 400 019 (Affiliated to University of Mumbai and Recognized by Govt. of Maharashtra) Accredited by NAAC with 'A' Grade with a CGPA of 3.54. Certificate ID: GNKC-BOT-200526-10231
32. Participated in the National Webinar on 'Youthful Glow and You' conducted on May 27, 2020 organised by Department of Botany, SHIROMANI GURDWARA PARBANDHAK COMMITTEE's Guru Nanak Khalsa College of Arts, Science & Commerce (Autonomous) Matunga, Mumbai - 400 019. Certificate ID: GNKC-BOT-200527-10377
33. Participated in a National Webinar titled "Managing your Finances & Investments During COVID 19", Conducted on 29th May 2020, in collaboration With Department of Commerce, Mount Carmel College Autonomous, Bengaluru and Finmark Trainers India Pvt Ltd.
34. Participated in the National Webinar on Modern Technologies in Life Sciences" organized by the Department of Life Science in association with Research & Development Cell, MASS COLLEGE OF ARTS AND SCIENCE (Affiliated to Bharathidasan University, Trichy-24) on 28 and 29th May – 2020.
35. attended National Webinar on Intellectual Property Rights : Protection of Intellectual Property and Way Forward Organized by Intellectual Property Rights Coll, Veer Bahadur Singh Purvanchal University, Jaunpur during May 22-23, 2020.

36. Participated in NATIONAL LEVEL WEBINAR "TAKE A U-TURN FOR OUR BASIC NEEDS AND IMMUNITY" organised by Shri Gajanan Maharaj ShikshanPrasarak Mandal's, Sharadchandra Pawar College of Pharmacy, Dumbarwadi (Otur), Tal-Junnar, Dist- Pune 412409, Maharashtra on 25/05/2020 from 11:00 AM
37. Participated in National Level webinar on "Nanotechnologies in detection of human fungal diseases and their treatment," organised by MYCOLOGICAL SOCIETY OF INDIA MUMBAI UNIT on 25th May 2020
38. Participated in the National Level webinar on the theme "Social Work Intervention in Corona Pandemic Crisis'-Issues, Challenges, Strategies, and Role" held on 8th May to 9th May, 2020 (6 hours). Certificate ID: W3560
39. Participated in the National webinar on Effective Teaching-Learning & Evaluation using Learning Management System: MOODLE Organised by Vidya Pratishthan's Arts, Science & Commerce College, Baramati In association with Savitribai Phule Pune University, Pune and WhiteCode, Pune, on 8th May, 2020. Certificate ID: W3359
40. Participated in two days National Level webinar on the theme "Social Work Intervention in Corona Pandemic Crisis'-Issues, Challenges, Strategies, and Role" organised by Maharashtra Association of Social Work Educators (MASWE) & Bhagini Mandal Chopda's College of Social Work, Chopda, Dist-Jalgaon held on 8th May to 9th May, 2020 (6 hours). Certificate ID: W3560
41. Participated in the 04 days' National webinar on REVISED NAAC ASSESSMENT AND ACCREDITATION: NURTURING QUALITY CULTURE organized by IQAC CLUSTER INDIA in Association with YOGESHWARI MAHAVIDYALAYA, AMBAJOGAI from 08-05-2020 to 11-05-2020. Certificate ID: W13296
42. Participated in National Level Webinar on "Towards Excellence in Higher Education in 21st Century: Challenges and Opportunities organised by S.S.T. College of Arts & Commerce MUCTA (Affiliated to University of Mumbai, Mumbai), Ulhasnagar - 421004, Dist. Thane, in association with Mumbai Umwersity& College Teachers Association held on 10th May, 2020,
43. Participated in the national Webinar on AQAR Preparation Under Revised Assessment and Accreditation Framework organised by IQAC Shikshan Maharshi DNYANDEO MOHEKAR MAHAVIDYALAYA, KALAMB from 16-05-2020 to 17-05-2020 Certificate ID: W3898
44. Participated in the National webinar on CAS PROMOTION & ISSUES Organized by IQAC, ShikshanMaharashi DNYANDEO MOHEKAR MAHAVIDYALAYA. KALAMB on 20-05-2020 for 3 hrs. Certificate ID: W4793
45. NATIONAL WEBINAR ON "Herbal Resources and their Role in Boosting Immunity against COVID-19" 15th June, 2020 (Monday) organised by School of Studies in Botany (DST - FIST Supported & Approved Centre of Excellence by MPHEQIP - Bhopal) science collegeand S.K. Jain Institute of Ethnobiology JIWAJI UNIVERSITY, GWALIOR (M.P.)
46. Participated in the two day National Webinar organized on "Research,Innovations and Extension: Criterion 3 of NAAC Assessment under RevisedAccreditation framework", during 24 - 25 June, 2020, by Government Science College, Jabalpur (M.P.)
47. Participating in the webinar on Wildlife Resources of Oriental Region: Conservation, Challenges delivered by Dr. J. Antony Johnson, Department of Habitat Ecology, Wildlife Institute, of India, Dehradun, INDIA, held on 3 July 2020 (Friday), Organized by Faculty of Applied Sciences, AIMST University - 08100 Semeling, Kedah Darul Aman, Malaysia

48. *Participated in One Day National Webinar on 'IMPACT OF COVID-19 ON TEACHING-LEARNING ENVIRONMENT' organized by IQAC of BanwarilalBhalotia College, Asansol West Bengal, India held on 17th June, 2020.*
49. *participated in the One-day National Webinar on Nutraceuticals and Medicinal Herbs for Health & Immunity Organized by the Department of Botany & IQAC, St. Joseph's College for Women (A), Visakhapatnam, Andhra Pradesh on 20th June, 2020.*
50. *Participated in National Webinar: 'CoVID 19: From Infection to Viral Pathogenesis', organized by Department of Botany, S. S. Khanna Girls' College, Prayagraj, V.P., India on 14 June, 2020.*
51. *Participated in One Day National Level Webinar on "Documentation for Data Verification & Validation (DVV) and Peer Team Visit (PTV) NAAC" organized by Internal Quality Assurance Cell (IQAC of Mahatma Phule Mahavidyalaya, Kingaon on 15th June 2020.*
52. 2010: *National Seminar on "Green technologies for environmental mangement and sustainable development", organized by Career College, Bhopal, Sponsored by U.G.C.*
53. 2007: *Bhartiya Vigyan Sammelan-2007. Bhopal, M.P.*
54. 2007: *National Seminar on New Horizons in Toxicology and Sustenance of Life organized by Sri Sathya Sai College for Women, Bhopal.*
55. 2002: *National Symposium in Biological Sciences, Bioscience Department, Rani Durgavati University, Jabalpur, M.P*
56. 2004: *Seminar on 50 Years of DNA, 25 years of IVF "The Blue Print of Life" sponsored and catalyzed by NCSTC, DST, New Delhi.*
57. 2006: *Third M.P Science Congress, organized by Indian Science Congress, Bhopal - Chapter held at Rajeev Gandhi College, Bhopal.*
58. *University/ College level*
59. 2006: *Interactive Meeting to Development Project & Programme on Biotechnology under Networking Arrangement, organized by M.P Council of Science & Technology, Bhopal.*
60. 2010: *National Seminar on "Green technologies for environmental mangement and sustainable development", organized by Career College, Bhopal, Sponsored by U.G.C.*
61. 2007: *Bhartiya Vigyan Sammelan-2007. Bhopal, M.P.*
62. 2007: *National Seminar on New Horizons in Toxicology and Sustenance of Life organized by Sri Sathya Sai College for Women, Bhopal.*
63. 2002: *National Symposium in Biological Sciences, Bioscience Department, Rani Durgavati University, Jabalpur, M.P*
64. 2004: *Seminar on 50 Years of DNA, 25 years of IVF "The Blue Print of Life" sponsored and catalyzed by NCSTC, DST, New Delhi.*
65. 2006: *Third M.P Science Congress, organized by Indian Science Congress, Bhopal - Chapter held at Rajeev Gandhi College, Bhopal.*
66. 2006: *Interactive Meeting to Development Project & Programme on Biotechnology under Networking Arrangement, organized by M.P Council of Science & Technology, Bhopal.*

REFERENCES

1. **Dr. Narmada Prasad Shukla**, Ex. Chairman, M.P.Pollution Control Board, Bhopal, M.P., PryawaranParishar ,E-5 ,Arera Colony Bhopal 462016. Contact no.: 9424410811
Email ID: it_mppcb@rediffmail.com
2. **Dr. Renu Mishra**, H.O.D, Department of Microbiology & Botany, Sri Sathya Sai College for Women, Bhopal, M.P. Contact no.: 9425014870;
Email ID: renumishra21@gmail.com
3. **Dr. Rajendra Prasad Yadav**, Principal, Government College Bichhua Chhindwara, M.P 480111. Mb. 94254 25968.
Email:hegcbicchh@mp.gov.in

DECLARATION

I hereby declare that all the statements and information mentioned above are true, complete, and correct to the best of my knowledge and belief.

(Dr. Kavita Chahal)
Assistant Professor (Botany)
Government Science College, Jabalpur