

DR. PREM CHANDRA

M. Sc. (Environmental Science),

Ph.D. (Environmental Science),

UGC- NET (Environmental Science),

ICAR-NET (Forestry & Environmental Science),

PGDEPL (PGD in Environment Protection Laws),

PGDRS & GIS (PGD in Remote Sensing and
Geographical Information System),

PGDIPR (PGD in Intellectual Property Right),

PGCPP (PG Certificate in Patent Practice),

CORRESPONDING ADDRESS:

154, Shaeed Vihar Colony, Near BBAU, Lucknow,
Uttar Pradesh, INDIA- 226025

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Field of Specialization:

Environmental Microbiology, Food Microbiology
& Toxicology, Environmental Laws, Intellectual
Property Right & Patent Practices (IPR & PP),
Industrial Microbiology, Agriculture Microbiology,
Environmental Science, Environmental &
Occupational Health, Remote Sensing & GIS.

PERSONAL DETAILS:

Nationality - Indian

Sex - Male

Known Languages - English, Hindi

Date of Birth - 22nd March, 1976



EDUCATIONAL QUALIFICATION:

- **Doctor of Philosophy (Ph.D.) in Environmental Science**, Topic entitled “**Assessment of bioremediation potential of Halotolerant bacteria: A study on metal detoxification mechanism**”, Department of Environmental Science, School for Environmental Sciences, B. B. Ambedkar (A Central) University, Lucknow -201.-15.
- **Post Graduate Diploma in Environmental Protection Laws, First Division**, Dissertation work completed on topic entitled “**A study on Vehicular pollution in Lucknow: Problem & Solution**”, **School of Law, University of Lucknow**, Lucknow -2006-07
- **Post Graduate Diploma In Remote Sensing and GIS, First Division**, Dissertation topic entitled “**Designing GIS based Rural Marketing and Distribution System**”, **Department of Geology, University of Lucknow**, Lucknow -2009-10
- **Post Graduate Diploma in Intellectual Property Right, First Division, School of Law**, School of Law, IGNOU, New Delhi -2016-17
- **Post Graduate Certificate in Patent Practice, First Division**, School of Law, IGNOU, New Delhi-2019-20
- **M.Sc. In Environmental Sciences, Second Division**, School for Environmental Sciences (Dissertation Topic entitled “**Fungi toxic activity of leaf extract of some botanicals against *Sclerotium rolfsii***” B. B. Ambedkar (A Central) University-2002-04
- **B.Sc. In Life Sciences, Second Division**, Concentration in Chemistry and Zoology, M. J. P. Rohilkhand University, Bareilly, 1995-98
- **ICAR-NET (Forestry and Environmental Science)**, September-2010
- **ICAR- NET (Environmental Sciences)**, February & October-2013
- **UGC- NET (Environmental Sciences)**, December-2005

CURRENT POSITION:

Working as Academic Counselor (Resource Person) at IGNOU

- **ACADEMIC COUNSELOR (CODE: AQDPC6947K/004)** for M.Sc. Environmental Science (MSCENV), School of Interdisciplinary and Trans-disciplinary Studies, IGNOU, New Delhi -110068 (India), Session-**January, 2022-2023** (Continue)
- **ACADEMIC COUNSELOR (CODE: AQDPC6947K/002)** for Post Graduate Diploma (FOOD SAFETY & QUALITY MANAGEMENT) (PGDFSQM), School of Agriculture, IGNOU, New Delhi - 110068 (India), Session-**2020-23** (Continue)
- **ACADEMIC COUNSELOR (CODE: AQDPC6947K/006)** for M.Sc. (FOOD SAFETY & QUALITY MANAGEMENT) (M.SCFSQM), School of Agriculture, IGNOU, New Delhi -110068 (India), Session-**2020-23** (Continue)
- **ACADEMIC COUNSELOR (CODE: AQDPC6947K/001)** for Post Graduate Diploma in ENVIRONMENTAL AND OCCUPATIONAL HEALTH (PGDEOH), School of Interdisciplinary and Trans-disciplinary Studies, IGNOU, New Delhi -110068 (India), Session-**2018-23** (Continue)
- **ANSWER BOOK EVALUATION CODE (IG27026058)** for MSCFSQM and PGDFSQM, School of Agriculture, IGNOU, New Delhi -110068 (India).

TEACHING EXPERIENCE:

- **EIGHT YEAR & SIX MONTH TEACHING EXPERIENCE AT P.G. & U.G. LEVEL:**
- Worked as an Assistant Professor (Guest), Department of Environmental Microbiology, B. B. Ambedkar (A Central) University, Lucknow (**Session-2015 to till October, 2023**).
COURSE Taught: M.Sc. Food Microbiology & Toxicology, and M.Sc. Industrial Microbiology, Deptt. Of Environmental Microbiology, B. B. Ambedkar (A Central) University, Lucknow (**Session-2015 to till date**).
- **COURSE: B.SC. (MICROBIOLOGY)**, Department of Biotechnology & Microbiology GF College, Shahjahanpur, Affiliated to MJPR University, Bareilly, and as Guest Faculty **Session-2018-20**)

Two Year Teaching Experience for UGC/CSIR/ICAR- NET-JRF, GATE and General Studies Programme:

- In the subject of **Environmental Science (Ist, IInd and IIIrd Paper)** in Remedial Coaching Programme (RCP), Babasaheb Bhimrao Ambedkar University, Lucknow (Session-2015-17)

Two year teaching experience for General Studies:

- **Subject Ecology and Environment for UPSC/UPPSC/SSC etc. in Residential Coaching Academy (RCA)** at Babasaheb Bhimrao Ambedkar University, Lucknow, U.P. (Session-2016-18).

- **Subject Ecology and Environment for UPSC/UPPSC etc.** Chhatrapati Shahuji Maharaj Shodh avam Prashikshan Sansthan, Gomtinagar, Lucknow, Uttar Pradesh, U.P. (Session- 2017-19).
- **Subject Ecology and Environment for UPSC/UPPSC etc. in Dr. Ambedkar Centre of Excellence** at Babasaheb Bhimrao Ambedkar University, Lucknow, U.P. (Session-2022-2023).

RESEARCH INTEREST:

- Heavy metal toxicity is one of the major environmental health complications in contemporary society, with potentially hazardous biotransformation through the food chain. My research interest concentrations on trying to understand impact of metal-ions on growth, metal ions detoxification mechanism by microbial interaction such as adsorption and enzyme activities. We are also interested in creating the awareness about legal information related Environmental Laws in the society.

AWARDS AND ACHIVEMENTS

- **FELLOWSHIP: UGC- JRF &SRF-2010-14 (No. F. 14-2/2010 (SA-III) FOR DOCTORAL RESEARCH**
- **YOUNG SCIENTIST AWARD-2016** “Centre for Education and Health Research Organization, New Delhi (CEHRO REG. NO. 57/2012).
- **Awarded “Third Oral Presentation award”** in a National Conference on “Biodegradation of Wild Life, Environment and Biodiversity” March, 2017, G.F. (PG), College, Shahjahanpur, U.P. INDIA.
- **Awarded “Best Oral Presentation award”** in a National Symposium on “Issues and Challenges for Environmental Management” February, 2006, BBAU, Lucknow.

MEMBERSHIP OF LEARNED BODIES/SOCIETIES:

- Life Member of **Association of Microbiologists of India (AMI): Membership No. 3043-2013)**
- Life Member of **Indian Science Congress Association (ISCA), (Membership No. L 18293),** Kolkata, India
- Life Member of **International Society of Environmental Botanist (ISEB),** Lucknow

INVITED TALKS IN SEMINARS/CONFERENCES:

- Invited Talk on the occasion of “World Environmental Health Day” 26th September, 2015 & 2016, at the Centre for Education and Health Research Organization, New Delhi, India.
- Invited Talk in National Seminar on “Emerging Prospects of Applied Biosciences in Present scenario” On 15th October, 2015. Department of Industrial Microbiology, Dayanand P.G. College Bachhrawan, Raebareli, U. P., India.
- Invited Talk in National Seminar on “Microbial Remediation of tannery effluents” in 4th Lucknow Science Congress held on 3 – 4th March, 2017 at Babasaheb Bhimrao Ambedkar University, Lucknow, U.P. India

- a) Invited Talk in International Symposium on “**Assessment of fluoride in ground water of an Industrial areas**” 30-31 October, 2014 at Babasaheb Bhimrao Ambedkar University, Lucknow, U. P. India.

FDP & REFRESHER COURSE COMPLETED:

- Faculty Development Programme completed on Environment, Biodiversity and Disaster Risk Management organized by **National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India (March, 2020).**

OTHER RECOGNITIONS:

- Participation in “Swachh Bharat Pakhwara” 1-15th September, 2016, BBAU, Lucknow.

PROJECT/ THESIS/DISSERTATION/RESEARCH WORK GUIDED AT PG LEVEL:

AWARDED: 10

1. **Krati Singh**, PGD in Food Quality and Safety Management Project Synopsis Approval No.RC-27/ L2/2023 for Enrolment No.2006730669 and the topic is “**Microbiological safety and Nutritional quality of street foods in Kanpur city**”. IGNOU, New Delhi- 2018-23.
2. **Arvind Tewari**, PGD in Food Quality and Safety Management Project Synopsis Approval No.RC-27/ L1/2023 for Enrolment No.2005080960 and the topic is “**Evaluation of the Microbiological safety in street food vending in local market of Gorakhpur Municipality**”. IGNOU, New Delhi- 2018-23.
3. **Chaudhari Kashyap Nanjibhai**, PGD in Food Quality and Safety Management Project Synopsis Approval No.RC-27/ 01/2023 for Enrolment No. 2250386570 and the topic is “**Production of whey ice candy using whey protein**”. IGNOU, New Delhi- 2018-23.
4. **Samara Naaz**, MSC Food Safety & Quality Management Project Synopsis Approval No.1/2023/MSC for Enrolment no. 2253627286 and the topic is “**Study of hygienic practices of street food vendors in Jalgaon, Maharashtra with hygiene guidelines from FSSAI schedule 4**”. IGNOU, New Delhi- 2018-23.
5. **Durgesh Gupta**, PGD in Food Quality and Safety Management Project Synopsis Approval No.RC-27/ 02/2023 Enrolment No. 2253184151 and the topic is “**Awareness and attitudes of food safety knowledge and practice of passengers in Indian railway**”. IGNOU, New Delhi- 2018-23.
6. **Akash Verma**, for Post Graduate Diploma in Food Quality and Safety Management Project Synopsis Approval No.L3/2022 for Enrolment No. 188302681 and the topic title “**Awareness and Attitudes of Food Safety Knowledge and Practice of Consumers**” IGNOU, New Delhi- 2018-22.
7. **Namrata Arya**, for Post Graduate Diploma in Food Quality and Safety Management Project Synopsis Approval No. L8/2022 for Enrolment No.189696844 and the topic is “**Comparative study of bacteriological quality between local and branded ice creams selling for public consumption in Lucknow city**”. IGNOU, New Delhi- 2018-22.

8. **Karishma**, for Post Graduate Diploma in Food Quality and Safety Management Project **Synopsis** Approval No. **RC-27/2022/1** for **Enrolment No. 199246307** and the topic title is “**Detection, Identification, and Quantification of Aflatoxin from Fungi in Food Raw Materials**”. IGNOU, New Delhi- 2020-22.
9. **Aditi Singh**, for Post Graduate Diploma in Food Quality and Safety Management Project **Synopsis** Approval No. **RC-27/2022/2** for **Enrolment No. 194623520** and the topic title “**A case study on fruit waste project management and utilization procured by fruit juice vendor in Allahabad city**” IGNOU, New Delhi- 2020-22.
10. **Harshit Gupta**, for Post Graduate Diploma in Food Quality and Safety Management Project **Synopsis** Approval No. **RC-27/2022/3** for **Enrolment No. 194623211** and the topic title “**A case study on packaging materials used by street food vendors and their comparison to materials used by various brand’s food outlets in Allahabad City**” IGNOU, New Delhi- 2020-22.

ON GOING: 15 Students

RESEARCH ARTICLES PUBLICATION:

- Singh, R., Upadhyay, A. K., **Chandra P.**, Singh, D. P. (2018), Sodium chloride incites reactive oxygen species in green algae *Chlorococcum humicola* and *Chlorella vulgaris*: Implication on lipid synthesis, mineral nutrients and antioxidant system. *Bioresource Technology*, 270, 489-497. (IF- 11.88), ISSN: 0960-8524; <https://doi.org/10.1016/j.biortech.2018.09.065>
- **Prem Chandra**, Abhay P. Rawat, & Singh, D. P. (2016), Isolation of alkaliphilic bacterium *Citricoccus alkalitolerans* CSB1: an efficient biosorbent for bioremediation of tannery waste water. *Cell. Mol. Biol*, 62 (3). 1-11. E-ISSN: 1165-158X (IF- 1.77); DOI: 10.4172/1165-158X.1000135
- **Prem Chandra**, and D. P. Singh, (2014), Removal of Cr (VI) by a halotolerant bacterium *Halomonas* sp. CSB 5 isolated from Sāmbhar salt Lake Rajasthan (India). *Cell. Mol. Biol*. 60 (5): 64-72. P-ISSN : 0145-5680 (IF. 1.77). PMID: 25535715.
- Manjari Barsaiyan, **Prem Chandra** and D. P. Singh (2016), Investigation of Cr (VI) Uptake in Saline Condition Using Psychrophilic and Mesophilic *Penicillium* sp. *Int. J. Curr. Microbiol .App. Sci.* 5(1): 274-288. ISSN: 2319-7692 (IF. 0.0); doi: 10.20546/ijcmas.2016.501.027
- **Prem Chandra**, Manjari Barsaiyan and D. P. Singh (2014), A Fourier Transform Infrared (FTIR) Spectroscopic study on cellular changes in the *Marinococcus luteus* SSLB 1 under different salinity regime. *Int J Pharm Bio Sci*, 5(4): (B) 848-854. ISSN 0975-6299. (IF.0)
- **Prem Chandra**, Vishnoi, N., Singh, D. P. (2012), Assessment of Fluoride Contamination of Water and Soil and its Phytotoxic Effect on the Growth Parameters in Selected Vegetable Crops. *Global Journal of Applied Environmental Sciences*, 2 (1), 55-65. ISSN : 2248-9932 (IF.0)

REVIEW ARTICLES PUBLICATION:

- Enespa, **Prem Chandra** (2022). Tool and techniques study to Plant Microbiome current understanding and future needs: An overview. *Communicative & Integrative Biology Journal* 15 (1): 209-225. (IF-3.5), ISSN: 1942-0889. <https://doi.org/10.1080/19420889.2022.2082736>
- Enespa, **Prem Chandra**, and D.P. Singh (2022), “Sources, Purification, Immobilization and Industrial applications of Microbial Lipases: An overview” *Critical Reviews in Food Science and Nutrition Journal*. 22:1-35. (IF-12. 56), ISSN: 1549-7852. <https://doi.org/10.1080/10408398.2022.2038076>
- **Prem Chandra**, Enespa, R Singh and P.K. Arora (2020), “Microbial lipases and their Industrial Applications: A comprehensive review”. *Microbial Cell Factories Journal*. 19 (1); 1- 42. (IF-6.3) ISSN: 1475-2859, <https://doi.org/10.1186/s12934-020-01428-8>

BOOK CHAPTERS PUBLICATION:

- 1) Enespa and **Prem Chandra** (2023). Nanotechnology for the plant pathogens detection and diagnosis in agricultural diseases and Food safety. In L. P. Awasthi, (eds.) *Challenges in Plant Disease Detection and Recent Advancements*. Intech Open Ltd. Croatia London: UK (In Press).
- 2) Enespa and **Prem Chandra** (2023). *Detection of microplastic in wastewater treatment plants*. In **Shahnawaz, M.** (eds.) “Microplastic Pollution” Springer, Cham. (In Press).
- 3) Enespa and **Prem Chandra** (2023). Viral diseases of Radish & Turnip. In Awasthi L.P. (Eds.). *Viral Diseases of Field and Horticultural Crops*. Elsevier Academic Press, United Kingdom. ISBN: 9780323908993 (Pp.1-5).
- 4) Enespa and **Prem Chandra** (2023). Management of fungal diseases of crops through plant-based natural products. *Principles of Organic Farming*. I.K. International, Pvt. Ltd. New Delhi. India (pp. 233-243). ISBN-978-93-90620-10-4.
- 5) **Chandra P.**, Enespa, Singh D.P. (2021). White-Rot Fungi for Bioremediation of Polychlorinated Biphenyl Contaminated Soil. In: Yadav A.N. (eds.) *Recent Trends in Mycological Research*. Fungal Biology. Springer, Cham (pp 43–64). ISBN; 978-3-030-68260-6, https://doi.org/10.1007/978-3-030-68260-6_3.
- 6) Enespa and **Prem Chandra** (2021). Aflatoxins: food safety, human health hazards and their prevention, In Lukman Abdulla'Uf (Eds.) *Aflatoxins - Occurrence, Detoxification, Determination and Health Risks* (pp.1-20). Intech Open. London.UK. ISBN: 978-1-83969-303-8. <http://dx.doi.org/10.5772/intechopen.96647>
- 7) **Prem Chandra** and Enespa (2021), Management of bacterial diseases of crops through Bio-pesticides, Awasthi, L.P. (Ed.), (2021). *Bio-pesticides in Organic Farming: Recent Advances* (1st.Ed.) (pp..0153-156). CRC Press. Boca Raton. eBook ISBN; 9781003027690 <https://doi.org/10.1201/9781003027690>
- 8) Enespa and **Prem Chandra** (2021), Impact of Environmental Factors on Biopesticides in organic farming, Awasthi, L.P. (Ed.), (2021). *Bio-pesticides in Organic Farming: Recent Advances* (1st ed.) (pp.17-22). CRC Press. Boca Raton. EBook ISBN: 9781003027690. <https://doi.org/10.1201/9781003027690>
- 9) Rishabh Chitranshi, Enespa, Ranjan Singh and **Prem Chandra** (2021), Opportunities and challenges in the application of biopesticides in organic farming. Awasthi, L.P. (Ed.), (2021). *Bio-pesticides in Organic*

- Farming: Recent Advances (1st ed.) (pp.23-28). CRC Press. Boca Raton. ISBN: 9781003027690.
<https://doi.org/10.1201/9781003027690>
- 10) Singh, R., Upadhyay, A. K., **Chandra, P.**, Singh, D. P. (2021). Biotechnological Application of Algae in Pharmaceuticals Industries with Special Reference to Omega-3 Fatty Acid and Human Health. Upadhyay, A. (Ed.), Singh, D. (Ed.). (2021). Algae and Sustainable Technologies (pp. 29-42). CRC Press. Boca Raton; eBook ISBN: 9781003001911. <https://doi.org/10.1201/9781003001911>
- 11) Enespa, **Chandra P.**, Singh R. (2020), Mechanisms of Plant Growth Promotion and Functional Annotation in Mitigation of Abiotic Stress. In: Yadav A., Rastegari A., Yadav N., Kour D. (eds.) Advances in Plant Microbiome and Sustainable Agriculture. Microorganisms for Sustainability (pp 105–150). Springer, Singapore. ISBN; 978-981-15-3204-7; https://doi.org/10.1007/978-981-15-3204-7_6
- 12) **Prem Chandra**, Enespa and D.P. Singh (2020), Microplastics degradation by bacteria in aquatic ecosystem. Microorganisms for Sustainable Environment and Health, Elsevier Academic Press, United Kingdom. Pp. 431-467; ISBN: 978-0-12-819001-2: <https://doi.org/10.1016/B978-0-12-819001-2.00022-X>
- 13) **Chandra P.**, Enespa, Singh R. (2020), Soil Salinity and Its Alleviation Using Plant Growth–Promoting Fungi. In: Yadav A., Mishra S., Kour D., Yadav N., Kumar A. (eds.) Agriculturally Important Fungi for Sustainable Agriculture. Fungal Biology. Springer, Cham. (pp 101–148). ISBN: 978-3-030-48474-3: https://doi.org/10.1007/978-3-030-48474-3_4
- 14) **Chandra P.**, Enespa, Kumar R., Ahmad J. (2020), The Role of Microorganisms in Removal of Sulfates from Artistic Stonework. In: Yadav A., Rastegari A., Gupta V., Yadav N. (eds.) Microbial Biotechnology Approaches to Monuments of Cultural Heritage. Springer, Singapore (pp 103–135). ISBN: 978-981-15-3401-0; https://doi.org/10.1007/978-981-15-3401-0_7
- 15) Enespa, **Prem Chandra** and L.P. Awasthi (2020), Plant Virus Taxonomy. In Applied Plant Virology, Advances, Detection, and Antiviral Strategies. Elsevier Academic Press, United Kingdom. Pp.421-434; ISBN; 978-0-12-818654-1; doi.org/10.1016/B978-0-12-818654-1.00029-3
- 16) **Chandra P.**, Enespa, Kumar M. (2020), Contribution of Microbes in the Renovation of Wetlands. In: Upadhyay A., Singh R., Singh D. (eds.) Restoration of Wetland Ecosystem: A Trajectory Towards a Sustainable Environment. Springer, Singapore; ISBN: 978-981-13-7665-8; https://doi.org/10.1007/978-981-13-7665-8_8
- 17) Enespa, Prakash J., **Chandra P.** (2020), Halophilic Microbes from Plant Growing Under the Hypersaline Habitats and Their Application for Plant Growth and Mitigation of Salt Stress. In: Yadav A., Singh J., Rastegari A., Yadav N. (eds.) Plant Microbiomes for Sustainable Agriculture. Sustainable Development and Biodiversity, vol 25. Springer, Cham; ISBN; 978-3-030-38453-1; https://doi.org/10.1007/978-3-030-38453-1_11
- 18) **Chandra P.**, Enespa (2019), Mycoremediation of Environmental Pollutants from Contaminated Soil. In: Varma A., Choudhary D. (eds.) Mycorrhizosphere and Pedogenesis. Springer, Singapore;

ISBN; 978-981-13-6480-8; https://doi.org/10.1007/978-981-13-6480-8_15

- 19) Enespa, **Chandra P. (2019)**, Fungal Community for Novel Secondary Metabolites. In: Yadav A., Singh S., Mishra S., Gupta A. (eds.) Recent Advancement in White Biotechnology Through Fungi. Fungal Biology. Springer, Cham. ISBN; 978-3-030-14846-1; https://doi.org/10.1007/978-3-030-14846-1_9
- 20) **Chandra P., Enespa (2019)**, Fungal Enzymes for Bioremediation of Contaminated Soil. In: Yadav A., Singh S., Mishra S., Gupta A. (eds.) Recent Advancement in White Biotechnology Through Fungi. Fungal Biology. Springer, Cham. ISBN; 978-3-030-25506-0; https://doi.org/10.1007/978-3-030-25506-0_7
- 21) **Chandra P., Enespa (2019)**, Soil–Microbes–Plants: Interactions and Ecological Diversity. In: Varma A., Tripathi S., Prasad R. (eds.) Plant Microbe Interface. Springer, Cham. ISBN; 978-3-030-19831-2; https://doi.org/10.1007/978-3-030-19831-2_6
- 22) Enespa, **Chandra P. (2017)**, Microbial Volatiles as Chemical Weapons Against Pathogenic Fungi. In: Choudhary D., Sharma A., Agarwal P., Varma A., Tuteja N. (eds.) Volatiles and Food Security. Springer, Singapore. ISBN; 978-981-10-5553-9; https://doi.org/10.1007/978-981-10-5553-9_12
- 23) **Chandra P., Singh E. (2016)**, Applications and Mechanisms of Plant Growth-Stimulating Rhizobacteria. In: Choudhary D., Varma A., Tuteja N. (eds.) Plant-Microbe Interaction: An Approach to Sustainable Agriculture. Springer, Singapore. ISBN; 978-981-10-2854-0; https://doi.org/10.1007/978-981-10-2854-0_3

WORKSHOP AND TRAINING COMPLETED:

- **Synergistic Training Programme Utilizing Science and Technological Infrastructure (STUTI)**, organized by Department of Physics and University Sophisticated Instrumentation Centre (USIC), BBA Central University, Lucknow during 22-28 August 2022.
- National Training Workshop on “**Environment, Biodiversity and Disaster Risk Management**” 2th - 6th - 2020, held on BBAU, Lucknow
- Workshop on “**Bioinformatics: Databases and Sequence Analysis**” 17th -19th March- 2017 as a **Resource Person** in the workshop, Deptt. Of Microbiology and Mathematical Sciences and Computer Applications, Bundelkhand University, Jhansi. U.P. -India.
- Workshop on “**Waste Management**” 15th September, 2016, BBAU, Lucknow, U.P. India
- A training on “**Advance techniques for Bioremediation and Management for Salt Affected soils**” 15 - 24th September, 2015, at ICAR- Central Soil Salinity Research Institute Regional Research Station, Lucknow, UP. - India.
- Workshop on “**IPR and Related Issues: Present and Future Needs**” 27-28 March 2015, U.P. Council of Agricultural Research, Lucknow. UP. – India.
- Workshop on “**Mainstreaming Climate Change Adaptation and Disaster Risk Reduction**” 7th March 2014, DES, BBAU, Lucknow. U.P. – India.
- Workshop on “**Placement and Employment Prospects in Indian Patent offices and Hands on Training for Patenting the Research Works**” University placement Cell and Information & Guidance Bureau, on 18th March 2013, BBAU, Lucknow, U.P. - India.

- Pre-conference International Workshop and Satellite Symposium on “**Entrepreneurship Development**” 17th -20th November 2013, AMI, Rohtak.
- Hands-on-Training on “**SEM, FTIR, FPLC and Ion Chromatography**” 18th-20th February 2015. University Science Instrumentation Center, BBA University, Lucknow, U.P. India.
- International workshop on “**Bridging Development Divide for Inclusive Growth through Science, Technology and Innovation**” January 16-17, 2015, organized by BBA University, Lucknow, U.P. India.
- Two days’ workshop on **Choice Based Credit System** and Outcome Based Teaching Learning, 30-31 March, 2016 held BBA University, Lucknow, U.P. India.
- Two days Yoga Workshop on “**Self-management on excessive stress (SMIT-2019)**” held on 17-18 August, 2019 at BBAU, Lucknow, U.P. - India.

INTERNATIONAL CONFERENCE (ORAL / POSTER PRESENTATION):

- **Prem Chandra.** *Coaxial Living with Microbes-II: Impact on Health and Environment.* An International Web-Conference. Organized by Department of Biosciences Maharaja Ranjit Singh College of Professional Sciences, Indore on 30-31st May 2020.
- **Prem Chandra** and D.P. Singh “Isolation of Alkaliphilic bacterium *Citricoccus alkalitolerans* CSB1: an efficient biosorbent for bioremediation of tannery effluent” An International conference by AMI, Deptt. Of Environmental Microbiology, BBAU, Lucknow (2017).
- **Prem Chandra** “Bioremediation of Cr (VI) by halotolerant fungus *P. citrinum*” An International workshop on Bridging on Development Divide for Inclusive Growth through Science, Technology and Innovation (2015).
- **Prem Chandra, D.P. Singh** “Removal of Cr (VI) by the Halotolerant bacterium *Halomonas* sp. Isolated from Sāmbhar salt Lake” An International conference on Environmental Technology and sustainable development: Challenges and Remedies (2014)
- **Prem Chandra,** “Wild life conservation by Environmental Laws. An International Conference, Faunal Biodiversity and their Conservational strategies (2014).
- **Prem Chandra,** “Assessment of Fluoride in ground water of an Industrial areas”. Presented a paper in the International Symposium on Biodiversity: Status, Utilization and Impact on Challenging Climatic Conditions organized by BBAU, Lucknow (2014).
- **Prem Chandra, D.P. Singh,** “Removal of Cr (VI) by Halotolerant fungal strain *P. oxalicum*”. An International Symposium, Association of Microbiologist of India (2013)
- **Prem Chandra, D.P. Singh** “Assessment of fluoride in ground water of an industrial areas and evaluation of phytotoxic effect of NaF on the growth parameters of *Cucumis sativus*, *Lagenaria Siceraria* and *Abelmoschus esculentus*, Fourth International Conference on Plants and Environmental Pollution (2010)

NATIONAL CONFERENCE (ORAL / POSTER PRESENTATION):

- **Prem Chandra**, “Kabir Ji ke Dohe” one day National conference on Relevance of Kabir in the changing global scenario organized by Government Women P.G. College, Firozabad, U.P. India (2022).
- **Prem Chandra**, “Covid-19 Effect & Environmental Sustainability” A National conference On COVID-19 in India and Rebuilding Human Society: Challenges and Solutions organized by Government Women P.G. College, Firozabad, U.P. India (2022).
- **Prem Chandra** and D.P. Singh “Isolation of Alkaliphilic bacterium *Citricoccus alkalitolerans* CSB1: an efficient biosorbent for bioremediation of tannery waste water” A National conference On Biodegradation of Wildlife, Environment and Biodiversity (2017)
- **Prem Chandra** “Exploring Heavy Metal Resistant Plant Growth Promoting Bacteria (PGPB) for enhancing the plant growth in contaminated soil” Fourth Lucknow Science Congress, BBAU, Lucknow (2017)
- **Prem Chandra** “Detoxification of Hexavalent chromium by halotolerant fungus *Penicillium oxalicum* isolated from Tannery waste water” National Conference on “Natural Resources Management for Sustainable Agriculture” (2016).
- **Prem Chandra**, A Seminar on “Environment, Education and Society” (2013).
- **Prem Chandra** “Remediation of Chromium hexavalent by halotolerant bacteria” A National Seminar “Environmental Issues and Challenges in the 21st Century” (2013).
- **Prem Chandra**, D.P. Singh “Prevention and control of Environmental pollution by Environmental Protection Laws” A National conference On Indoor Air Quality, (2011).
- **Prem Chandra**, D. P. Singh “Impact of Climate change on Soil and agricultural productivity” A National conference on Climate Change, Biodiversity and Conservations” (2011).
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