

CURRICULUM VITAE

Lieutenant Dr. Preeti Chand Negi
Assistant Professor & Head, Department of Botany and Associate NCC Officer,
Mahamaya Government Degree College, Mahona, Lucknow

Career Interests:

Endowed with qualities of head and heart coupled with the specialised knowledge, I seek to bring about a meaningful change in the quality of life. Having an appetite for diversity and challenge I strive towards mutual growth of the organisation and myself to the best of my abilities and skills I have so far acquired.

Personal Details:

Father's Name - Late Sh. B.S.Chand
Marital Status - Married
Name of Husband – Sh. Rajendra Singh Negi
Native Place - Nainital, Uttarakhand
Residential Address – 14/490, Vikas Nagar, Behind Rani Lakshmi Bai School,
Lucknow-226022 (U.P)
Mobile No. – 9560533802, 9454671856
E mail – preet1974@gmail.com
Hobbies – Gardening, Reading, Writing

Educational Qualification:

Level	Board/University	Year of Passing	Division	Stream
High School	CBSE Board	1990	I	Science
Intermediate	U.P. Board	1992	I	Biology
Graduate	Lucknow University	1995	I	Biology
Post - Graduate	Lucknow University	1997	I	Botany
Ph.D.	Lucknow University	2006		Botany
NET	CSIR UGC	1997		Life Sciences
GATE		2003		Life Sciences
B.Ed.	Lucknow University	2007	I	Science

Ph. D. Dissertation: “Bioprospecting potent phytochemicals active against infectious *Enterococcus faecalis* from diverse plant sources”

Supervisors : Dr. S.P.S.Khanuja and Prof. N.K.Mehrorta

Professional Experience:

1. Doctoral Research Experience:

- CSIR NET Junior & Senior Research Fellow, Genetic Resources & Biotechnology Division, Central Institute of Medicinal & Aromatic Plants, Lucknow, 1998 – 2003

- Advisor – Dr. S.P.S.Khanuja (Head, Genetic Resources & Biotechnology Division & Director ,Central Institute of Medicinal & Aromatic Plants, Lucknow).
- Isolation of plant bioactives against pathogenic and drug resistant bacterial strains.

2. Teaching Experience :

- Assistant Professor in Botany Department of Mahamaya Government Degree College, Mahona, Lucknow since 2016.
- Senior Lecturer in Biotechnology Department of Devbhoomi Institute of Applied Sciences from 2010 – 2012.
- Guest Faculty in Botany Department of Isabella Thoburn College, Lucknow from 2005 – 2009. Committee member of AIDS Awareness Cell and Editorial Board for 3 monthly newsletters of AIDS Cell, 2007 -08.
- Offline/Online coaching to school students and medical aspirants since 2003.
- Teaching Experience - > 15 years.
- Faculty Development Programmes –
 - (1) Orientation Course from HRDC, University of Lucknow from 2 – 31 Aug., 2016.
 - (2) Refresher Course in Botany & Life Science from HRDC University of Lucknow from 17 – 31 Dec., 2019.
 - (3) Pre - Commission Course at Officers Training Academy, Gwalior from 26 July - 23 October, 2021 for Associate NCC Officer.

Publications :

1. Research Patents :

- Alphaarteether resistance domain (**United States Patent 7510836**)
- Methyl & B – orcinol carboxylate from lichen (*Everniastrum cirrhatum*) for use for the treatment of fungal infections and cancer (**W/O/2004/087128 and Germany DE10394214T5, US20040198815A1**).

2. Research Papers:

- Chand P. and Singh M. 2020. Environmental Challenges to Public Health. *Agricaquascience Reasearch Journal*, 1, 79 – 83.
- Fast Food & Health Hazards. 2018. ISSN 2455 – 006X, 137-138.
- Chand P., Singh M. 2012. Evaluation of anti-enteric potential of some angiosperms of India. *Progressive Horticulture*.44, 2, 220 -228.
- Singh M.,Chand P., Paul A and Jaiswal Y K . 2011. Bioevaluation of selected medicinal plants from northern India for antibacterial property. *Progressive Horticulture*, 43 (1) : 52 - 58
- Chand, Preeti, Monika Singh and M. K. Rai. 2011. Antibacterial activity of plants of Western Himalayan region of India. *Progressive Horticulture*, 43 (2):67-7
- Singh M., Chand P. Paul A and Jaiswal YK. 2010. In vitro synergistic evaluation of emodin, an active compound isolated from *Rheum*

moorcroftianum and vancomycin active against *staphylococci*. Progressive Horticulture, 42, (2) : 208 -212

- Chand, Preeti, Monika Singh and M. K. Rai. 2009. Study of antibacterial potential of Gymnosperm. Progressive Horticulture, 41 (1): 98-102.
- Chand P., Singh M. and Rai M. 2009. Antibiotic activity of Lichens. Journal of Ecophysiology & Occupational Health, 9, 23-29.
- Singh M., Chand P. and Rai M. 2008. Evaluation of anticariogenic activity of some medicinal plants. Journal of Ecophysiology & Occupational Health, 8, 177-181.

3. Book/chapters of book :

- Challenges of a cashless Society in Cash to Cashless Economy; Challenges & Opportunities. ISBN: 978-93-88003-11-7, p. 94-97, 2019.
- Menstrual Health: Gender Justice in Decoding Menstrual Taboos in India: Issues, Challenges and Solutions. ISBN: 978-1-63606-137-5, p. 81 -88, 2020.
- E- Learning: Challenges & Prospects in Higher Education During Covid 19 Pandemic Impact of Covid 19 on Teaching and Learning. ISBN :978-81-950907-8-5, p. 86-101.2020.

4. Poster Presentations:

- Evaluation of anti- enteric potential of some angiosperms of India in National Symposium on Conservation Horticulture held at ONGC Campus, Dehradun from 21 – 23March, **2010**.
- Antibacterial agents from Indian medicinal plants in National Symposium on Conservation Horticulture held at ONGC Campus, Dehradun from 21 – 23March, 2010.
- Evaluation of antibacterial potential of some gymnosperms in National Symposium on Conservation Horticulture held at ONGC Campus, Dehradun from 21 – 23March, 2010.
- Anti- microbial activity of crude extracts of *Myrtus communis* in National Symposium on Conservation Horticulture held at ONGC Campus, Dehradun from 21 – 23March, 2010.
- Social dimensions of HIV/AIDS: Quality enhancement in role of community action in II Annual Symposium on HIV/AIDS held at SERC, CSIR Campus, Chennai from 28 -29 August, 2009.
- Gyr A mutations conferring resistance against three generations of quinolone drugs in *E.coli* express alpha arteether sensitivity in International Conference on DNA Enzymes; Structure and Mechanisms held at IISc, Bangalore from 1-3 December 2000.
- Anti-microbial activity of two non-flowering plants (Gymnosperms) in National Conference on Plant Biotechnology: Towards Strategic Agriculture and Drug Development held at CIMAP, Lucknow from 15 -17 March,1999.

5. Newspaper/Newsletter/College Magazine Articles:

- Articles – Immunity Boosters & Valueswy Based Education in Shabdita MMGDC Magazine in 2019-21.
- Article – Dark side of Junk Food/Fast Food in Shabdita MMGDC Mahona Magazine in 2018.
- Letter to Editor – Sad plight of Gau mata in Sahara Times, Dec. 25, 2004.
- Letter to Editor – Inspiring message of mother nature in Dainik Jagran, Jan.19, 2006
- Article – Drug Abuse & Teenagers in AAC CET newsletter, July , 2006
- Article – India: Time to act against HIV/AIDS in AAC CET newsletter, Aug., 2006

Seminar & Other Educational Activities –

- Contributed as Co-Organising Secretary in National Webinar on NEP 2020: Online Education and its amalgamation with classroom education on 6 Sept., 2020.
- Contributed as Convener in International Webinar on Relationship between Human Diseases and Environment on 16 Aug., 2020.
- Contributed as Convener in National Webinar on Role of Yoga & Environment in Protecting Human Existence on 20 June, 2020.
- Contributed as member organising committee in International Webinar on Covid 19: Challenges & Opportunities on 6 June, 2020.
- Contributed as member organising committee in National Seminar on Cash to Cashless Economy: Challenges & Opportunities on 09-10 Feb., 2019.
- Contributed as member organising committee in National Seminar on The Impact of Digitalisation of Public Services in Society Webinar on Covid 19: Challenges & Opportunities on 21-21 Jan., 2018.
- Organised Study Tours of B.Sc. students to CDRI, Lucknow on 23 & 31 Oct., 2019.

Extra – Curricular Activities –

**Incharge – NCC Girls Unit of UP 20 Girl's Battalion, Lucknow in College
since its inception in 2019**

- Voter Awareness Rally to Bhikaripur village on 25/01/20.
- Tree Plantation Drive on 26/01/20.
- Social Awareness Program on Indradhanush Mission 2.0 of Govt. of India regarding complete immunization coverage of children on 31/01/20.
- 13 cadets volunteered for Covid 19 under Exercise Yogdan of Ministry of Defence, Govt. of India.
- Distribution of 112 handmade masks to people by 08 cadets.

- 15 cadets completed online Ministry of Defence, Govt. of India iGOT training, Ministry of Health & Family Welfare, Govt. of India, Diksha app linked training , KGMU training on Covid 19 for preparing corona warriors.
- 15 cadets downloaded Govt. sponsored Aarogya Setu app and motivated 136 people to download it for Covid 19 awareness in people.
- 12 cadets downloaded Govt. Sponsored Ayush Kavach app for protection from Covid 19.
- Environment awareness program on Earth Day 22/04/20 and Environment Day on 05/06/20.
- Fit India Campaign by participation in Yoga Day program sponsored by Ministry of Ayush, Govt. of India on 21/06/20.
- Environment awareness program by planting trees during plantation month in July 2020.
- Celebration of Atma Nirbhar Abhiyan of Govt. of India from 11/08/20 to 15/08/20 by special guest lectures from NGO, banking and govt. sectors.
- Kargil Vijay Diwas on 26/07/20 by poster, slogan competition.
- Independence Day on 15/08/20 by dance, song, poster, slogan competition.
- Fit India Campaign from 15/08/20 to 14/09/20 by cadets doing physical fitness activities alone /with family members on a daily basis.
- Mission Shakti – Cleanliness Campaign and Health Awareness Interactive Session on diverse topics like mental health, menstrual hygiene, immunity boosters, stress management etc. every Saturday since 2020.
- Azadi Ka Amrit Mahotsav - Har Ghar Tiranga Awareness Rally in Gaddipurwa village on 08/08/22.
- Kakori Divas on 09/08/22 through an online lecture.
- Independence Day on 15/08/22 by Tree plantation, patriotic songs and speech by students and setting up Selfie Point in college by cadets under Har Ghar Tiranga Mission of Govt. of India.
- Kakori Divas on 17/08/22 by patriotic speech, songs and documentary show.

Committee member of NSS in college –

- Awareness through Special Lecture, poster and essay competition in students on Drug Abuse held on Gandhi Jayanti 2019 jointly with U.P. Govt. Drug Control Department.
- 7 Days Special NSS Camp from 25/02/2020 to 01/03/2020 included awareness drive in Bhikaripur village , Meditation session for students by Sri Ram Chandra Mission , Taekwando Self Defence training for students by Master Jugran , free health camp for students by Dr. R.C. Upreti.
- Special Tiranga Awareness Rally through Nukkad Natak in Bhikaripur village on 11/08/22.
- Azadi ka Amrit Mahotsav – Vibhajan Vibhishika Divas through live telecast from DD and documentary show on 14/08/22.

Incharge – Environment Cell of college –

- Green Plastic Campaign – continued from September 2019.
- Cleanliness cum Nature Awareness Drive continued from October 2019.
- Plantation Campaign continued from August 2019.

Awards/Recognition:

- Roxanna Oldroyd Award for best student in B.Sc. at Isabella Thoburn College, Lucknow in 1995.
- Best Poster award on Evaluation of anti- enteric potential of some angiosperms of India in National National Symposium on Conservation Horticulture held at ONGC Campus, Dehradun from 21 – 23 March, 2010.
- Certificate of Appreciation from Sri Ram Chandra Mission and United Nations Information Centre for India & Bhutan and The Heartfulness Trust for contribution in organisation of All India Essay Writing Event 2018.
- Certificate of Appreciation from U.P. Govt. for remarkable contribution in CAVACH : Community action to end violence against Children on 31 July, 2019.
- Commissioned as Lieutenant and became Associate NCC Officer after completing PRCN – 108 from OTA, Gwalior with ‘A’ Grade on 23/10/21.

Technical Experience:

- **Microbiology:** Single Colony purification of bacteria and fungi (streaking and dilution methods), antimicrobial susceptibility techniques (disc diffusion assay, broth dilution assay, BACTEC system for TB), mutagenesis (spontaneous and induced selection of drug resistant strains), handling of human pathogenic microbial strains, synergistic analysis of combination of drugs and compounds.
- **Molecular Biology:** Bacterial and Plant DNA (plasmid and genomic) isolation, subcloning, gel electrophoresis, PCR, DNA sequencing analysis.
- **Chromatography:** GLC, TLC, Column chromatography and use of Spectrophotometer, centrifuge, lyophilizer.

Pertinent Skills :

- Team Work – 1. Ability to function effectively within teams.
2. Participated in a large number of both curricular and extra-curricular activities entailing arduous team effort.
- Analytical Skills – Ability to identify key components within complex system. Enjoy analysing and solving problems.
- Affective Skills – Ability to incorporate sensitivity in teaching method and to showcase concern for socio environment issued in daily life.

Computer Proficiency:

- Well versed in MS Word, MS Excel and MS PowerPoint
- Conversant with internet usage.

Conference/Seminar/Symposia/Workshop/Webinar Attended :

- National Conference on Plant Biotechnology: Towards strategic Agriculture and Drug development held at CIMAP from 15th – 17th March 1999.
- National Rowing Seminar on Patenting in Biotechnology at CIMAP, Lucknow on 5th November 1999.
- 89th session of Indian Science Congress 2002 from 3rd-7th January 2002 held at University of Lucknow, UP.
- 6. Attended a Roving Seminar on IPR in Biotechnology Sponsored by DBT and WIPO at CIMAP, Lucknow on 4th October 2002
- Workshop on Practical Living & Reproductive Health held at I.T. College, Lucknow from November 14 -20, 2006.
- Workshop entitled Chetna – Bridging the gap between Mother & Daughter held at I.T. College, Lucknow on September 29,2007.
- Workshop on Life skills in dealing with HIV/AIDS held at I.T. College, Lucknow on October 29, 2007.
- As Committee member in Infotainment Mela held on World AIDS Day held at I.T. College, Lucknow on November 29, 2007.
- Committee Member in Midnight Mela held at Nehru BaL Vatika, Aliganj, Lucknow from 24 – 27 January, 2008.
- National Conference on Reorienting Educational transformative strategies for empowerment of civil society with a special reference to gender at I.T.College, Lucknow from November 10-11, 2008.
- II Annual Science Symposium on HIV/AIDS held at SERC, CSIR Campus, Chennai from August 28-29, 2009.
- Chand Preeti and Monika Singh. 2010. Evaluation of antibacterial potential of some gymnosperm. National Symposium on Conservation Horticulture from 21-23March, 2010 organized by Indian Society of Horticulture Research and Development, Uttarakhand, GB Pant University of Agriculture & Technology, Pantnagar and Department of Horticulture and Food Processing, Uttarakhand at AMN Ghosh Auditorium KDMIPE Campus, ONGC Kaulagarh, Dehradun. Abstract pp.331
- Singh, Monika and Preeti Chand. 2010. Antimicrobial activity of crude extracts of Myrtus communis. National Symposium on Conservation Horticulture from 21-23March, 2010 organized by Indian Society of Horticulture Research and Development, Uttarakhand, GB Pant University of Agriculture & Technology, Pantnagar and Department of Horticulture and Food Processing, Uttarakhand at AMN Ghosh Auditorium KDMIPE Campus, ONGC Kaulagarh, Dehradun. Abstract pp.242
- Singh, Monika and Preeti Chand. 2010. Antibacterial agents from Indian Medicinal Plants. National Symposium on Conservation Horticulture from 21-23March, 2010 organized by Indian Society of Horticulture Research and Development, Uttarakhand, GB Pant University of Agriculture & Technology,

Pantnagar and Department of Horticulture and Food Processing, Uttarakhand at AMN Ghosh Auditorium KDMIPE Campus, ONGC Kaulagarh, Dehradun. Abstract pp.329

- Chand Preeti and Monika Singh. 2010. Evaluation of anti-enteric potential of some angiosperm of India. National Symposium on Conservation Horticulture from 21-23 March, 2010 organized by Indian Society of Horticulture Research and Development, Uttarakhand, GB Pant University of Agriculture & Technology, Pantnagar and Department of Horticulture and Food Processing, Uttarakhand at AMN Ghosh Auditorium KDMIPE Campus, ONGC Kaulagarh, Dehradun. Abstract pp.331.
- Singh Monika and Preeti Chand. 2011. Antimicrobial agents from *Eucalyptus robusta*. National Conference on Horti Business Linking Farmers with Market from 28-31 May, 2011 organized by Lt. Amit Singh Memorial Foundation, New Delhi in collaboration with S.V.B.P. University of Agriculture and Technology, Meerut and G.B.Pant University of Agriculture & Technology, Pantnagar.
- Chand Preeti and Monika Singh 2011. Bioevaluation of plants active against *Shigella flexneri*. International Conference on “ Issue for Climate Change, land use Diversification and Biotechnological Tools for Livelihood Security” at Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut (UP), on 8-10 October, 2011 organized by Hi-Tech Horticulture Society, Meerut in collaboration with Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut (UP). Abstract page 236.
- National Seminar on Impact of digitalisation of public services on society (IDPSS – 2018) held at MMGDC, Mahona, Lucknow from 20-21 January 2018. Abstract p.29.
- National Conference on Ecological degradation and its impact on socio economic development held at NSCBGDC, Aliganj, Lucknow from 2-3 February, 2018. Abstract p.137.
- National Seminar on Science Communication: Issues & Challenges held at FAAGPGC, Mahmoodabad, Sitapur from 16 – 17 February 2018.
- International Symposium on Recent trends in Agriculture, Biodiversity and Social Sustainability held at BSI, Allahabad on 30 Sept. & 01 Oct. 2018.
- International Conference on Sustainable Development Strategies and Emerging Trends held at NSCBGGDC, Aliganj, Lucknow from 16-17 November 2018.
- International Seminar on Towards Sustainable Women Health : Decoding the menstrual taboo held at MBPGDC, Aashiana, Lucknow from 1-2 February 2019.
- National Seminar on Cash to Cashless Economy: Challenges & Opportunities held at MMGDC, Mahona, Lucknow from 9-10 February, 2019.
- National Seminar on Environment Challenges and their socio economic traditional and cultural solutions in India held at Dr. BR Ambedkar Govt. PG College, Fatehpur from 15 -16 February, 2020.
- International Conference on Educational policies, administration research and globalisation in Indian perspective held at Rajat College of Education & Management from 15-16 February 2020.
- Webinar on Mental Health Promotion: Strengthening positivity and psychological well being held by MGDC, Dhanupur, Prayagraj on 11 May, 2020.

- Webinar on Good nutrition and life style during the new normal held by MGDC, Dhanupur, Prayagraj on 12 May, 2020.
- National Webinar on Online education : challenges and strategies during covid 19 by NSCBGGDC, Aliganj , Lucknow on 13 May, 2020.
- Webinar on Shaping young minds to control loneliness during covid 19 held by MGDC, Dhanupur, Prayagraj on 14 May, 2020.
- Webinar on Socio economic impact of covid 19 in India held by MGDC, Dhanupur, Prayagraj on 15 May, 2020.
- Webinar on Host Immunity and covid 19 held by MGDC, Dhanupur, Prayagraj on 16 May, 2020.
- Webinar on Role and realibility of electronic and social media during the pandemic held by Small Industries and Manufacturers Association on 22 May, 2020.
- National Webinar on Covid 19 and its aftermath: suggested coping mechanisms by Baikuntidevi Kanya Mahavidyalay, Agra on 23 May, 2020.
- International Webinar on Global food security in post covid era by Bareilley College, Bareilley on 28 May, 2020.
- International Webinar on Economic development strategies post covid 19 pandemic by BSNC College, Lucknow from 30-31 May, 2020.
- International Webinar on Covid 19 : Challenges & Opportunities by MMGDC, Mahona , Lucknow on 3 June, 2020.
- International Conference on Covid 19 Roadmap to Future Environment by St. John's College, Agra on 5 June, 2020.
- National Webinar on Gender biasedness and stereotyping, gender equality and women's rights by Indira Gandhi National Tribal University, Amarkantak, MP. on 8 June, 2020.
- National Webinar on Impact of Covid 19 on physical activities and sports by Lucknow University from 8-9 June, 2020.
- Faculty Training Programme on Disaster Management in Covid 19 times by National Institute of Disaster Management, Min. of Home Affairs, Govt. of India, N.Delhi from 3-4 June 2020.
- International Webinar on Physical and mental status of human beings during Covid 19 by University of Lucknow from 29-30 June, 2020.
- National Webinar on Role of Yoga & Environment for protectinh human existence by MMGDC, Mahona, Lucknow on 20 June 2020.
- Webinar on EBSB Dekho Apna Desh by NSCBGGDC, Aliganj, Lucknow on 9 July 2020.
- International Webinar on Relationship between Human Disease and Environment by MMGDC, Mahona, Lucknow on 16 August, 2020.
- International Webinar on National Education Policy 2020; Towards holistic and multidisciplinary education by MMGDC, Mahona, Lucknow on 28 August, 2020.
- National Webinar on Online education and its amalgamation with classroom education by Pt. Jawaharlal Nehru College, Banda on 28 August, 2020.
- National Webinar on NEP 2020: A step towards holistic and multidisciplinary education by GDC, Haripur, Nihastha, Raebareilley on 2 September, 2020.
- National Webinar on Indian Languages, Arts & Culture by GDC, Indupur, Deoria on 31 Augyst, 2020.

- National Webinar on NEP 2020: Transforming the higher education scenario by MBPGDC, Aashiana, Lucknow on 1 September, 2020.
- National Webinar on NEP 2020: Online Education and its amalgamation with classroom education by MMGDC, Mahona, Lucknow on 6 September, 2020.
- National Seminar on Social, Economic, Health and Environmental Challenges of India and their Solutions in Perspective of Covid -19 Pandemic by Dr. Shyama Prasad Mukerjee Government Degree College, Bhadohi from 27-28 March, 2022.