

CURRICULUM VITAE

Dr. Laxman Nagar

M.Sc., Ph.D.,

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EDUCATIONAL/PROFESSIONAL QUALIFICATION:

Current Position:

Presently Working as Assistant Professor in Department of Microbiology C.C.S. University Campus Meerut since March 2019.

Teaching Experience

Worked as Teaching Assistant in of M.Sc. Applied Microbiology C.C.S. University Campus from September 2017 to March 2019 (in self- finance scheme)

Ph.D.

Year: 2017

Thesis Title: “*In vitro* studies on chemical treatment induced modification in some legumes”

Supervisor: Prof. Y. Vimala

Institute: Department of Botany, C.C.S. University (Campus) Meerut, U.P.

Subject: Botany

M.Sc.

Year: 2008

Institute: Department of Botany, C.C.S. University (Campus) Meerut, U.P.

Division: Ist

Subject: Industrial Biotechnology

B.Sc.

Year: 2006

Institute: Meerut College, Meerut, (C.C.S. University Meerut, U.P).

Division: Ist

Subject: Botany, Zoology, Chemistry

Intermediate

Year: 2003

Institute: B.L. Inter college Dankaur, U.P.

Board: U.P. Board, Allahabad

Division: IInd

Subject: Hindi, English, Physics, Chemistry, Biology

High School

Year: 2000

Institute: K.A. Inter college Dankaur, U.P.

Board: U.P. Board, Allahabad
Division: IIIrd
Subject: Hindi, English, Social Science, Science, Maths, Biology

Achievements:

Received Young Scientist Award in International conference on GRISAAS-2017

Received Excellence in Teaching Award for the contribution in the field of

Molecular biology and Microbiology in International conference on iCiAsT-2021

Qualified CSIR NET – JRF June 2017 (AIR: 78)

TECHNIQUE STUDIED / HANDELED:

Physiological and Biochemical Techniques:

- Spectroscopy, Centrifugation (handling of Table top Centrifuge and Other Centrifuge Machines).
- Standardization of cultures for secondary metabolites production.
- Extraction of secondary metabolites (alkaloids, steroids and flavonoids) using Soxhleht apparatus.
- Separation of secondary metabolites by TLC and HPLC.
- Chemical analysis of soil e.g. Nitrogen, Phosphorus, Organic carbon, Sodium and Potassium.
- Biochemical analysis of plant material and callus e.g. Nitrogen, Phosphorus, Organic carbon, Sodium, Potassium, Phenolics, total Protein and Carbohydrates.

Tissue Culture:

- Media preparation, Autoclave, Inoculation, Sterilization, Micro-propagation.

Molecular Techniques:

- Isolation and Purification of DNA, Separation of DNA by Agarose Gel, Isolation and purification of proteins by Native & SDS-PAGE and Gel Documentation.

MEMBERSHIP OF LEARNED BODIES/SOCIETIES:

1. The Indian Botanical Societies
2. Indian Science Congress.
3. Editor in International Journal of Applied and Current Research Base Association

SYMPOSIUM/CONFERENCE ATTENDED:

1. 1st Indian Agricultural Scientists and Farmers Congress on “Technological Innovations for Enhancing Agriculture Production” (Participated), held during 3rd-4th Oct, 2009 at CCS University, Meerut.
2. National Seminar on “Challenges and Opportunities in Evolutionary & Reproductive Biology of Plants, held during 10th-11th December, 2009 at Department of Botany, CCSU, Meerut.
3. National Seminar (UGC-Sponsored) on Advances in Biotechnology for Sustainable Global Environment (2009), Organized by Department of Botany, D.N. College Meerut.
4. National Seminar on “Recent Trends and Development in Nano Materials”(2013) Organized by IIMT Engineering College Meerut.
5. National Seminar on “Role of Ion Beam in Materials Science and Acquaintance programme on Ion Beam Facilities at IUAC New Delhi” (2013) Organized by Department of Physics, Ch. Charan Singh University, Meerut.
6. National Seminar on “Environment and Sustainable Development in India: Issues and Challenges” (2013) Organized by Department of Economics (Sponsored by ICSSR, New Delhi), Ch. Charan Singh University, Meerut.
7. National conference on Energy ,Environment and Biotechnology Research (2013) rganized by Mewar Institute of Management Ghaziabad (U.P)
8. International conference on Global IPR System and WTO Issue (2013) Organized by Intellectual Property of Cell Ch.Charan Singh University Meerut (U.P)
9. National conference on Emerging Problem and Recent Advances in Applied Science: Basic to Molecular Approaches (2014) Organized by Society for Scientific Development in Agriculture and Technology Meerut (U.P).

10. National Seminar on “Challenges in Plant Sciences: Now and Then” (2015)
Organized by Department of Botany, Ch. Charan Singh University, Meerut.
11. National conference on “Global Research Initiatives For Sustainable Agriculture & Allied science” (2015) Organized by Astha Foundation ,Meerut
12. XXXVIII All India Botanical Conference of the Indian Botanical Society (2015)
National Seminar on “Emerging Trends in Plant Sciences” Organized by
Department of Botany, University of Rajasthan, Jaipur, Rajasthan.
13. International Conference on “Genomics and Translational Research in Crop Improvement” (2016) Organized by Department of Genetics and Plant Breeding,
Ch. Charan Singh University, Meerut.
14. National Seminar on “Community Health Through Physical Education and Yoga
“(2019) Organized by Department of Physical Education Shaheed Mangel Pandey
Govt .Girls P.G. College Meerut (U.P) ,
15. National Seminar-cum-workshop on “The Biodiversity Conservation and
sustainable Use of Medicinal and Aromatic plants (2019) Organized by Department
of Botany, Ch. Charan Singh University, Meerut.
16. National Seminar on “Ethnomedicinal Wealth of India (2020) Organized by
Department of Botany, R.G.P.G.College , Meerut.

WORKSHOP ATTENDED:

1. Participated in the workshop with Hands - On –Training on Use of Bioinformatics in
crop Biotechnology,(2014) Organized by Bioinformatics Infrastructure Facility
Department of Gentics and Plant Breeding , C.C.S. University Meerut.
2. Participated in the workshop on “PCR Approaches in Molecular Biology” (2016)
Organized by Department of Botany , C.C.S. University Meerut.
3. Participated in the workshop on “Advanced Biological Techniques and Intellectual
Property Rights”(2018) Organized by Department of Botany , C.C.S. University
Meerut.

Exracurricular Activities :

1. Acted as Volunteer (Member of registration Committee) in International conference
on Global IPR System and WTO Issue (2013) Organized by Intellectual Property of
Cell Ch.Charan Singh University Meerut (U.P)

2. Acted as Volunteer (Member of Scientific Committee) in National conference on Emerging Problem and Recent Advances in Applied Science: Basic to Molecular Approaches (2014) Organized by Society for Scientific Development in Agriculture and Technology Meerut (U.P).
3. Attended Two “NSS Camps” 120 hours each (16 Jan 2005 to 25 Jan 2005 and 25 Dec, 2005 to 3 Jan 2006) at S.D.P.G. College Dankaur, Gautam Budh Nagar (U.P.).

PAPER PUBLISHED:

1. Nagar, L., Kumar, A., Vimala. Y. and M.N.V. Prasad Gajula (2015). Sequence to Structure Analysis of DOPA Protein from *Mucuna pruriens*: A Computational Biology Approach, International Journal of Emerging Trends in Science and Technology, 02 (08): 3083-3089. ISSN 2348-9480
2. Nagar, L., Dhillon, J., Singh, J. and Y. Vimala (2017). Screening of PGRS, L-Dopa precursor and polyploidy inducer treatments on protein content of *Mucuna pruriens* callus. J. Indian bot. Soc., 96:136-139. ISSN:0019-4468
3. Dhariwal, S., Nagar, L., Singh, I. and Y. Vimala (2017). Enhanced Ros-scavenging enzyme activity by salicylic acid elicitation of salt treated seeds of *Vigna radiata* (L.) Wilczek cultivars, European journal of pharmaceutical And medical research, 4(9): 639-642. ISSN 2394-3211
4. Dhariwal, S., Nagar, L., and Y. Vimala (2017). Effect of abiotic elicitors on biochemical status of two cultivars of *Vigna radiata* (L.) Wilczek cultivars. Int. J. Res. Ayurveda Pharm. 8 (4) ,
5. Dhillon, J., Nagar, L., Vimala Y. and Singh, I. and (2017). Hyper accumulation and soil enrichment of certain inorganic nutrients by some plants from Meerut J. Indian bot. Soc., 96 (3-4) 284-289. ISSN:0019-4468

PAPER PRESENTED AND ABSTRACT PUBLISHED:

1. Laxman Nagar, Ishwar Singh and Vimala Y.(2015). L-dopa precursor and Polyploidy Inducer Treatments on Protein Content of *Mucuna Pruriens* Callus.

- Plant Physiology, Biochemistry And Pharmacology Screening of Phytohormone, In XXXVII All India Conference of the Indian Botanical Society & National Symposium on “Emerging Trends In Plant Sciences”
2. Laxman Nagar and Y. Vimala (2014). Effect of colchicine and 2, 4-D accumulation of bioactive metabolites in *Mucuna pruriens* calli. In National Conference on Emerging Problems and recent Advances in Applied Sciences: Basic to molecular Approaches .
 3. Laxman Nagar, and Y. Vimala (2013). Effect of colchicine and 2, 4-D on type and growth of callus in *Mucuna pruriens*. In Souvenir & Conference Book: NCEEER-2013.
 4. Prabhat Singh, Laxman Nagar and Y. Vimala (2013). Effect of allelopathic of *S. torvum* (Sw.) and *tortulacastrum* (L.) with *V. Unguiculata* (L.) walp. var. PK . In Souvenir & Conference Book: NCEEER-2013
 5. Laxman Nagar, Roma Rani , Shipra Choudhary and Y. Vimala (2013). Morpho-Biochemical Criteria of selection of secondary metabolite-rich leaves in *Andrographis paniculata*. In 36th All India Conference, DDU Gorakhpur University, Gorakhpur.
 6. Shweta Dhariwal, Laxman Nagar, Ishwar Singh and Vimala Y. (2015). Effect of abiotic elicitors on enzymatic activity of *Vigna radita* cultivars . In National Seminar on “Challenges In Plant Science : Now And Then”
 7. Neha Chaudhary, Laxman Nagar and Ishwar Singh (2015). Newly Arising Genes in Flower Development. In National Seminar on “Challenges In Plant Science : Now And Then” .
 8. Laxman Nagar, Juhi Dhillon , Ishwar Singh and Vimala Y .(2015). Screening of PGRS, L-DOPA precursor and polyploidy inducer treatments on bioactive metabolite content of *Vicia faba* callus. In National Seminar GRISAAS.

Invited Lecture:

1. Delivered an invited lecture as resource person in (2017) in National seminar, organized by Department of Botany, R.G.(P.G.) college Meerut
2. Work as an resources person (2015) in one day workshop on “Technical know how” organized by Department of Botany, R.G.(P.G.) college Meerut.

3. Delivered an invited lecture as resource person on “**Career opportunities for P.G. (Life science) Students**” in (2021) in One day National Workshop On “**Career Guidance**”, organized by Department of Botany, R.G.(P.G.) college Meerut.

M.Sc. Research Students supervised.

S.N.	Name of the students	Title of dissertation	Year of award
1.	Ayushi Sharma	Isolation and Identification of bacteria from street vended fruits juices and fermented foods	2019
2.	Anjali Malik	Isolation and biochemical analysis of bacteria from water	2019
3.	Deepali	Isolation and biochemical analysis of bacteria from Soil.	2019
4.	Anjali Singh	Study of Japanese Encephalitis Virus	2021
5.	Prashant Kumar shandiliya	Side effects of various corona vaccines of covid -19 disease in human	2021
6.	Vishnu Kumar jaiswal	Encephalitis: causes ,symptoms, diagnosis and treatment	2021
7.	Shewta	Fungal disease associated with Covid-19 infected patients	2021
8.	Divya Tomar	Uropathogenic <i>E.coli</i> in Urosepsis	2021

Academic / Cultural / Administrative contributions to Ch. Charan Singh University, Meerut:

Worked as an Assistant Coordinator in Evaluation centre for regular/private Exam (yearly) 2020-2021.

Member of several departmental committees including Examination Committee, Instrument Committee, Department development Committee, Discipline Committee.

Placement/ Counselling/ Awareness/ Motivational Programme

Organized Career Counselling cum Placement programme for the students of M.Sc. Life Sciences by Allen Career Institute, Kota, Rajasthan on 27th August 2019.

Organized One day corona Vaccination Awareness Programme at Village Kunda, Partapur, Meerut, to motivate the villagers to receive corona vaccine and its benefits on 30th July 2021

Organized One day corona Vaccination Awareness Programme at Village Islamabad Chhilora Abdullapur Meerut, to motivate the villagers to receive corona vaccine and its benefits on 27th August 2021.

Organized Career Counselling cum Placement programme for the students of M.Sc. Life Sciences by Allen Career Institute, Kota, Rajasthan on 1 October 2021.

PERSONAL INFORMATION:

FATHER'S NAME	:	Late Rambeer Singh
NATIONALITY	:	Indian
DATE OF BIRTH	:	03-08-1985
CONTACT ADDRESS	:	Village –Unchi Dankaur, Post- Dankaur Gautam budh nagar (U.P)
PHONE	:	07906025499, 9411418404
GENDER	:	Male
LANGUAGE KNOWN	:	Hindi and English

Place: Meerut

(Laxman nagar)