

CURRICULAR VITAE

Dr. NIRANJAN KUMAR CHAURASIA

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Department of Genetics and Plant Breeding, School of
Agricultural Sciences, Nagaland University, Medziphema
Campus, Medziphema-797 106 (Nagaland)



OBJECTIVE

Intend to build a career with leading corporate of hi-tech environment with committed & dedicated people, which will help me to explore myself fully and realize my potential.
Willing to work as a key player in challenging & creative environment.

PERSONAL DETAILS

Date of birth	: 15/03/1989
Marital status	: Single
Gender	: Male
Father's name	: Mr. Pannalal Prasad
Mother's name	: Mrs. Jugalwati Devi
Nationality	: Indian
Language known	: Hindi, English, Kannada, Bhojpuri
Permanent address	: Vill. + Post: Gamharia Kala, Via: Adapur, Dist: East Champaran, Bihar-845 301 (India)

ACADEMIC RECORDS

Name of Degree	Name of the University	Passing year	CGPA/OGPA	Percentage	Division/Class
B.Sc. (Horticulture)	University of Horticultural Sciences, Bagalkot, Karnataka	2015	8.14	81.40	1 st
M.Sc. (Ag.) Plant Breeding & Genetics.	Assam Agricultural University, Jorhat, Assam	2017	7.99	79.90	1 st
Ph.D. Plant Breeding and Genetics	Bihar Agricultural University, Sabour, Bhagalpur, Bihar	2020	8.200	82.00	1 st
NET(I)	ASRB-ICAR, New Delhi	2018		Qualified	

RESEARCH TITLE (M.Sc.)

Assessment of Combining Ability, Gene Action and Heterosis in Brinjal (*Solanum melongena* L.)

RESEARCH TITLE (Ph.D.)

Combining Ability and Yield Stability in Maize (*Zea mays* L.)

EXPERIENCE IN PROFESSIONAL FIELD

Position	Organization	Tenures
Assistant Professor	Department of Genetics and Plant Breeding, M. S Swaminathan School of Agriculture, Centurion University of Technology and Management, Odisha-771211	29 th January, 2021 to 17 th November, 2023
Assistant Professor	Department of Genetics and Plant Breeding, School of Agricultural Sciences, Nagaland University, Medziphema Campus, Medziphema-797 106 (Nagaland)	23 rd November, 2023 to till date

STUDENTS GUIDED (PG and Ph.D.)

Student' name & Roll number	Title of the thesis	Major advisor & Chairman / Co-advisor/ Member with year of completion
Mrs. Mounika A. 200805210006	Studies on genetic diversity and character's association in rice (<i>Oryza sativa</i> L.) genotypes	Major advisor & Chairman, 2022
Mrs. Manogna G. Salavurao 200805210010	Assessment of genetic diversity in brinjal (<i>Solanum melongena</i> L.) using morphological and molecular markers	Major advisor & Chairman, 2022
Mrs. Tarra Supriya 200805200006	Genetic studies for yield and quality traits in French bean (<i>Phaseolus vulgaris</i> L.)	Member, 2022
Mr. Uppada Yashwant 210805210003	Genetic diversity studies in pumpkin (<i>Cucurbita moschata</i>) using morphological and molecular markers for fruit yield and quality traits	Major advisor & Chairman, 2023
Mr. Dipankar Barik 210805200011	Genetic studies for yield and quality traits in vegetable cowpea [<i>Vigna unguiculata</i> (L.) Walp.].	Member, 2023

ACHIEVEMENTS

- ICAR-National Talent Scholarship (NTS) at UG
- ICAR-National Talent Scholarship (NTS) at PG
- Best oral presentation award from International Conference on Food & Agriculture, 2018, Dhanbad, Jharkhand
- Oral Presentation Award (2nd Position) in International Conference on Biotechnological Initiative for Climate Resilient Agriculture (BICRA-2022), DRPCA, Pusa, Bihar
- Best Ph.D. Thesis Award-2020 from Bihar Agricultural University, Sabour, Bihar
- Best oral presentation award in IPS Zonal meet and National conference on Advances in innovative technologies & plant health management strategies in climate resilient agriculture (AITPCRA-2024) held at College of Agriculture,

Tripura, India dated on September 26-27, 2024.

SEMINAR, CONFERENCE, TRAINING, WORKSHOP ORGANIZED

1. Organizer: 7-Days Hands-on Training on Agricultural Data Analysis using Statistical Tools (ADAST-2023) in virtual mode from 27th March to 2 April, 2023.
2. Organizer: National seminar on climate resilient technologies for sustainable agriculture: Interventions and approaches, held on 26-27th March, 2022.

SEMINAR/ CONFERENCE/ TRAINING/ WORKSHOP/ FIP/ REFRESHER COURSES ATTENDED

1. Training on Statistical Tools for Agricultural Data Analysis from 19.07.2021 to 02.08.2021, organized by RAMA University, Kanpur
2. Six days national short-term training on “Bioinformatics computation in wet lab”, organized by Bioinformatics Infrastructure Facility, North-Eastern Hill University, Tura campus, Meghalaya.
3. Two days Training course on “Current Trends in Bioinformatics Teaching and Research”, T. M. U. Bhagalpur-812007
4. Poster Presentation on topic, Foresee the Next Generation Breeding Approach in Crop Improvement in the scientific section of national conference on “Current Trends in Plant Science and Molecular Biology” for Food Security and Climate Resilient Agriculture (PSMB2018) RVSKVV, Gwalior MP.
5. Poster Presentation on topic, Mitigation of high temperature effects on maize cultivation through development of heat tolerant hybrids, national conference on Biotechnological Initiative for Crop Improvements (BICI), BAU, Sabour
6. Oral presentation on the topic, Marker Assisted Backcrossing: An Approach Towards Crop Improvement in the National Seminar on Green Chemistry and Sustainable Development, T.M.B.U, Bhagalpur, Bihar.
7. Participated in national conference on Biodiversity and Plant Genetic Resource Conservation for Future, organised by UAHS, Shivamogga, Karnataka
8. Poster Presentation on topic, how expressed sequence tags is helping to the molecular ecologist, in the international E-conference, organised by UHS, Bagalkot, Karnataka
9. Participated International Conference on Biotechnological Initiative for Climate Resilient Agriculture (BICRA-2022), DRPCA, Pusa, Bihar
10. National workshop on Bioinformatics in Life Sciences, organised by T M Bhagalpur University, Bhagalpur, Bihar
11. Participated and presented poster entitled “Determination of combining ability and heterosis in maize (*Zea mays* L.) for fruit yield and its attributes” in the International Conference on Future Challenges and Prospects in Plant Breeding, organised by TNAU, Coimbatore, Tamil Nadu dated on 6-7 October, 2021.
12. Participated and presented poster entitled “International conference on Next-Gen Preparedness for fruit Security and Environmental Sustainability dated on 22-24 November, 2023

BOOKS AND BOOKS CHAPTERS PUBLISHED

- a. Book entitled “Seed Technology: A Competitive Approach”, ISBN 978-93-90522-09-5, Kalyani Publishers, New Delhi.
- b. **Chaurasia NK**, Singh R and Kumar Anand (2018) “Pre-breeding and its Application in Crop Improvements” Green Chemistry and Sustainable Development, PP:129-144, ISBN: 978-81-936812-0-6
- c. Singh R, Kumar R, **Chaurasia NK**, Sinha S, Singh RS and Thakur D(2018) “Marker-assisted Back Crossing: An Approach Towards Crop Improvement” in the National Seminar on Green Chemistry and Sustainable Development, T M B

U Bhagalpur, Bihar, PP:100-110, ISBN: 978-81-936812-0-6

- d. **Chaurasia NK**, Singh R, Renu and Kumar P (2019) “Single-cell techniques for stress tolerance in breeding plants” Recent Advances in Chemical Sciences and Biotechnology, PP:151-160, ISBN: 978-93-85503-63-4
- e. Singh R, Renu, **Chaurasia NK**, Kumar R, Singh SP, Satyendra and Thakur D (2019) “Role of association mapping in crop improvement” Recent Advances in Chemical Sciences and Biotechnology, PP:83-96, ISBN: 978-93-85503-63-4
- f. Renu, Singh R and **Chaurasia NK** (2019) “Tissue culture: An approach toward effective cost management” Recent Advances in Chemical Sciences and Biotechnology, PP:125-130, ISBN: 978-93-85503-63-4.
- g. A chakrabarty, T R Devi, Kha P, Kishore P M and Chaurasia N K (2024) Breeding strategies for the Management of rice blast disease, Cereal diseases: Past, Present and Future, Biotech Books, New Delhi, PP: 323-338, ISBN: 978-81-7622-592-2

POPULAR ARTICLES PUBLISHED

- a. Gunavatta Protein Makka: Poshan suraksha ke liye biofortified product, published by Bihar Agricultural University, Sabour, Bihar
- b. Alsi: Poshan, Aushadheey and Audyogik mahattva, published by Bihar Agricultural University, Sabour, Bihar
- c. Revolutionizing Agriculture: Unleashing the Power of Bioinformatics (Article ID:50674) by Agriculture & Food: e-Newsletter, ISSN: 2581-8317, 06 (09): Page: 248-251.

RESEARCH/REVIEW ARTICLE PUBLISHED

- a. Chanu WT, Sinha B, Chakrapani K, Thangjam B, **Chaurasia NK**, Singh SH (2024) Eco-Friendly Management of Fusarium oxysporum f.sp. pisi inciting wilt of Pea in vitro. *Journal of Mycopathological Research*; 62(1):177-183.
- b. Aier A, Shah PK, Singh AP, **Chaurasia NK**, Sharma MB, Devi HM (2024) Genetic Variability and Heritability Analysis in Local Landraces of Sesame (*Sesamum Indicum L.*) in Summer Season Under Foothill Condition of Nagaland. *African Journal of Biomedical Research*; 27 (1S): 1745-1750.
- c. Rajbhar R, Ram CN, Kumar A, Kumar L, Pal AK, **Chaurasia NK**, Solanki P (2024) Combining ability studies in Bitter Gourd (*Momordica charantia L.*) for yield and it's contributing traits. *African Journal of Biological Sciences*; 6(15):11091-11107.
- d. Meena R, Shah PK, Gadi J, Singh AP, Rohith GV, Sharma MB, **Chaurasia NK**, Tiwari R (2024) Genetic assessment of Superfood crop winged bean [*Psophocarpus Tetragonolobus (L.) DC.*] Under foothill condition of Nagaland, *REDVET - Revista electrónica de Veterinaria*; 25 (1S): 1097-1105.
- e. Barman H, Barua NS, Sarma D, Barua AR, Bhuyan N, Longkho K, **Chaurasia NK** (2024) Study on Genetic Variation, Trait Association and PCA of Different Quantitative Traits in Local Maize Germplasm, *Indian Journal of Agricultural Research*; 1-6. doi: 10.18805/IJARE.A-6279.
- f. **Chaurasia NK**, Nirala RBP, Singh B, Yadav JP, and Roy RK (2023) Determination G x E interaction and stability parameters for multiple traits of newly developed single cross hybrids of maize (*Zea mays L.*), *The Journal of Animal and Plant Science*; 33(4) accepted for publication.
- g. Bharatyia KK, **Chaurasia NK** and Nirala RBP (2022) Yield stability under different agronomic situations in linseed (*Linum usitatissimum L.*), *Electronic Journal of Plant Breeding*; 13(1): 01-06.
- h. **Chaurasia NK**, Nirala RBP, Singh Birender, Yadav JP and Roy RK (2021)

- Combining ability of grain yield and yield component traits in maize (*Zea mays* L.), *The Pharma Innovation Journal*; 10 (8): 250-254.
- i. **Chaurasia NK**, Nirala RBP, Roy RK and Yadav JP (2021), Heterosis studies in maize (*Zea mays* L.) for grain yield and its attributes, *The Pharma Innovation Journal*; 10(7): 664-666.
 - j. **Chaurasia NK** and Bora P (2021), Character Association and Path-Coefficient Studies in Brinjal (*Solanum melongena* L.) for Fruit Yield per Plant and its Component Characters, *Indian Journal of Natural Sciences*; 12(69): 37605- 37609
 - k. **Chaurasia NK**, Sarmah P, Sarma NS and Sarma (2018) Combining ability and Heterosis studies in brinjal (*Solanum melongena* L.), *Vegetable Science*, 45 (1): 61-72.
 - l. Sarmah, P., Bora G. C and **Chaurasia NK** (2017) Assessment of genetic variability, heritability and genetic advance in brinjal (*Solanum melongena* L.). *Vegetable Science*, 44 (1): 142-144.

COMPUTER SKILLS

- a. Handling of R-Studio, WINDOW STAT Software
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REFERENCES

Prof. N S Barua

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Thanking You,

(N K Chaurasia)