

Curriculum Vitae of Dr. Krishanu

Name : **Dr. Krishanu**
Father's Name : Mr. Govind Kishore Singh
Mother's Name : Mrs. Priyadarshini Singh
Date of Birth : 13th May 1994
Educational Qualification : M.Tech. (Biotechnology, 2020)
Ph.D. (Agriculture Biotechnology, 2023)
Postal Address : Garun Nagar Phulwari Darbar Padrauna
Dist. Kushinagar-274303
Mob. No: 7906175044
Email: krishanusingh444@gmail.com
Area of Interest/Specialization: Molecular Biology, Tissue Culture, Seed Development, Bioinformatics, Biochemistry and Plant Breeding
Current Position : Assistant Professor Biotechnology in MIET, Meerut.

Academic Qualifications

Exam/Degree	Institute/ Board/ University	Year	Subject(s) with major field
High School	ICSE New Delhi	2011	Science
Intermediate	U.P Board	2014	Science
B.Tech.	SVPUAT Meerut (U.P.)	2018	Biotechnology
M.Tech	SVPUAT Meerut (U.P.)	2020	Biotechnology
Ph.D	SVPUAT Meerut (U.P.)	2023	Agriculture Biotechnology

M.tech Thesis Title- **"Estimation of pesticide residues in rice grains in Western Uttar Pradesh"**
Ph.D. Thesis Title- **"*In-Vivo* and *In-Vitro* Screening of drought tolerance and molecular characterization of Sugarcane (*Saccarum Officinarum* L.) varities"**

Publications

Research/Review Articles : 9
Book Chapter : 3
Laboratory manual : 1
Edited Books : **2**
Popular Articles in Hindi : 9
Popular Article in English : 3
Abstracts in English : 11
Radio Talks : 6
Doordarshan : 1
News Paper article : 1

List of Publications

Research and Review Papers

S.N.	Author	Year	Title	Journal	Rating if any
1	**Krishanu *et al.*,**	2019	**A Review On Genome Evolution Of Plant Parasitic Nematodes**	Academia Letters	

2	**Krishanu *et al.*,**	2022	**A Review: Types Of Bioreactors And Its Application For Sustainable Environment**	Biotech Today (An International Journal)	NAAS: 3.9
3	**Krishanu *et al.*,**	2022	**In vitro techniques for the development Of tissue culture plantlets**	Progressive Agriculture (An International Journal)	NAAS rating: 4.2
4	**Krishanu *et al.*,**	2023	**Effect of different combinations of plant growth regulators on sugarcane shoot multiplication**	**Biological Forum – An International Journal**	NAAS: 5.11
5.	**Shailendra *et al.***	2023	**Plant genome construction of molecular maps, functional genomics and comperative genomics**	Biotech Today (An International Journal)	NAAS: 3.9
6.	**Singh *et al.***	2023	**Singhal and Proteins: An additional nutritions to improve mal nutritions**	Biotech Today (An International Journal)	NAAS: 3.9
7.	**Singh *et al.***	2023	**Review on recombinant DNA, gene cloning, molecular probes, chimeric DNA and Gene libraries**	Biotech Today (An International Journal)	NAAS: 3.9
8.	**Singh *et al.***	2023	**Development of Transgenic Plants against Biotic stress through agrobacterium mediated gene transfer method.**	Biotech Today (An International Journal)	NAAS: 3.9
9.	**Singh *et al.***	2023	**Method of Gene cloning and expression vector.**	Biotech Today (An International Journal)	NAAS: 3.9

Popular Articles (in English)				
1	**Krishanu, Dr. Divyanshu, Dr. RS Sengar**	2022	Pradhan mantri jan arogya yojna- A scheme for every citizen in India	Kahar April- June 2022
2	**Krishanu, RS Sengar**	2022	Climatic change and its impact	Kahar July - December
3	**Krishanu, Kushagra Yadav, Shailendra Pratap Singh**	2022	Soil fertility and its management	Agriculture & Environment

Popular Articles (in Hindi)				
1	**Dr. RS Sengar and**	2021	Kya labhkari hai kala gehu	Farm and food

	Krishanu			
2	**Dr. RS Sengar and Krishanu**	2022	Drone bharat me krishi ka bavishya	Kahar April- June 2022
3	**Dr. RS Sengar and Krishanu**	2022	Drone anndata ki aaye badhane me upyogi	Krishi rasayan digdarshika gov. of india
4	**Dr. RS Sengar and Krishanu**	2022	Drone yuvao ko krishi me dega rojgar	Farm and Food
5	**Dr. RS Sengar and Krishanu**	2022	Drone bharat me krishi ka bhavishya	Kurushetra
6	**Dr. RS Sengar and Krishanu**	2022	Natural farming se kisano ki aaye badhegi	Kahar April- June 2022
7	**Dr. RS Sengar and Krishanu**	2022	Jaiv urvarak ki krishi me upyogita	Kahar
8	**Vikas Singh and Krishanu**	2022	Nano urvarak ke prayog se fasal utpadan me badhotri	Farm and Food
9	**Shweta Yadav and Krishanu**	2023	E kachra pradooshan samasya aur samadhan	Krishak Bharti August 2023

Chapter in book (in English)

1. Estimation Of Pesticide Residues In Rice Grains In Western Uttar Pradesh
2. Biotechnology Of Vegetable Crops
3. Green Solutions for environmental cleanup: bioremediation and phytoremediation innovations

Manuals

1. Laboratory manual of biochemistry and biotechnology

Books

1. CSIR Life Science Question Bank (Communicated)

Edited Book:

1. पेस्टीसाइड का सुरक्षित प्रबंधन और विकल्प
2. Plant molecular biology and genetic engineering approaches for crop improvement

Poster Presentation

1. Presented poster on National Science day at IIFSR Modipuram Meerut

Conference and workshops

3rd International Conference Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE- 2019)

National Conference on Identification, Convergence, Implementation & Extension of Science- Tech-Research for Sustainable Development ICIESSD-2019

One Day Workshop on Rice (SVPUAT)

	One Day Workshop on Ensuring Quality Sustenance of HEIs through the Strategic Implementation of Best Practices.
Trainings	Fifteen Days Training on Molecular Biology And Bioinformatics Tool & Its Application In Agriculture And Allied Sciences.
	Five day value added/ skill development training course nanotechnology & its application sustainable agriculture.
	Ten day training on CRISPR-based plant genome editing tools and techniques IARI New Delhi.
	Seven days training on synergistic training program utilizing the advanced research instrumentation.
	Five days training program on post-harvest management & value addition of spice crops.
	Ten days training on basic laboratory techniques in microbiology.

SKILLS

Lab Work	PCR, RT PCR, Electrophoresis, Gel Doc, Spectrophotometer etc.
Bioinformatics	Sequence Alignment, Primer designing, Structure Prediction etc.
MS Office	Microsoft word, Microsoft Excel, Microsoft Power point
Certificates	Certificate in CCC Certificate in JAVA Certificate in Fundamental of RT-qPCR and Gene Expression.

POSITIONS OF RESPONSIBILITY

Managed national conference on identification, convergence, implementation & extension of science-tech-research for sustainable development iciessd-2019

Worked as coordinator in abhivyakti at SVPUAT

Worked in organizing committee of All India radio Program.

Extracurricular activities

Won 3rd prize in quiz competition at university level in 2015

Won 2nd prize in science exhibition at university level in 2015

Won 3rd prize in quiz competition at university level in 2019

Participated in quiz competition at IIMT Meerut

Participated in interstate collage competition in 2017

Participated in debate competition at university level

Participated in symposium at All India Radio Government of India

References:

1. **Dr. R.S. Sengar**
   Professor and Head
   Division of Plant Biotechnology
   Sardar Vallabhbhai Patel University of Agriculture and Technology Meerut (U.P.)
2. **Dr. Pankaj Kumar**
   Professor and Head
   Bioinformatics Section
   Sardar Vallabhbhai Patel University of Agriculture and Technology Meerut (U.P.)
3. **Dr. Jitendra Singh**
   Professor and Head
   Department of Microbiology
   Chaudhary Charan Singh University Meerut (U.P.)

I hereby declare that the information provided is true and best of my knowledge.



Date: **Signature**
Place: Meerut