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## Curriculum Vitae

Arvind Kumar

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### career Objective

To work with an organization offering a responsible, challenging and creative working profile with a conducive working culture and a continuous learning environment.

### educational qualification:

Examination	Institute/college	Board/university	Stream	Year of passing	Division
Ph.D. (G&PB)	CCS University Campus Meerut	CCSU, Meerut	Genetics and Plant Breeding	Thesis Pre-submission on 08/06/21	--
M.Phil. (G&PB)	CCS University Campus Meerut	CCSU, Meerut	Genetics and Plant Breeding	2017	1st
M.Sc. (G&PB)	CCS University Campus Meerut	CCSU, Meerut	Genetics and Plant Breeding	2016	1st
B.Sc. (Ag.)	CBG (Ag) PG College BKT Lucknow	Luck now University Luck now	Agriculture	2014	1st

### Ph.D. Research highlights:

Ph.D. Research work on "Genetic Architecture, Heterosis and Gene Action Studies for Yield and its Components in Okra (*Abelmoschus esculentus* L. Moench.)" Under the supervision of Dr. S.S. Gaurav (Professor) Department of Genetics & Plant Breeding Ch. Charan Singh University, Meerut, UP-250004 (India).

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### M.Phil research highlights:

M.Phil project was on "Use of degenerate primers for molecular identification of begomovirus associated with yellow vein mosaic and leaf curl disease of okra in Meerut (UP)" under the supervision of Dr. D. Pratap, Assistant Professor, CCS University Meerut

### Knowledge of molecular biology techniques:

Plant genomic DNA isolation.  
Agarose gel electrophoresis (preparation of buffers, gel casting, image capturing).  
PCR analysis (SSR marker screening).  
Gel documentation.  
Agarose and Polyacrylamide gel electrophoresis (PAGE).  
Silver staining.

### Plant Breeding skills:

#### Field experience

Preparing field layout.  
Development of F<sub>1</sub> and backcrosses for mapping population (F<sub>2</sub>, RILs, etc.) using crossing technique (emasculation, pollination, etc.).  
Recording the different phenotypic traits.  
Maintenance of other crop plants till harvest.  
Recording the diverse types data in the field.  
Tagging of the different crop plants.  
Maintenance seed different crop for sowing next session.

### Symposium/Seminar attended:

- Participated in National seminar at CCS University, Meerut on IPR Protection.
- Participated in National seminar at CCS University, Meerut on Applications of basic Laboratory tools in Bioscience.
- Participated in National seminar at CCS University, Meerut on Challenges in Plant Science: Now and Then.
- Participated in National seminar at CCS University, Meerut on Challenges of climate change and green Environmental Solutions.
- ❖ Participated in International seminar at CCS University, Meerut on VIGS in Genomic Era.
- ❖ Participate in "5th Global outreach Conference on Modern approaches for smart agriculture (MASA-2020)" organized by School of biological engineering & life sciences, Shobhit Institute of Engineering and Technology (Deemed-to-be-University), Meerut, UP (India), during 28-29 February, 2020.
- ❖ Participate in International Web Conference Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020), Agricultural & Environmental Technology Development Society (AETDS) U.S. Nagar, Uttarakhand, India, October, 04-06, 2020 pp: 332.
- ❖ Participate in International conference (GNRSA)-2020 Sobhit university meerut.U.P. CORRELATION COEFFICIENT AND PATH ANALYSIS OF OKRA (*Abelmoschus esculentus* L.)

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... conference:

- ❖ **Arvind Kumar, Tanu Shiri, et al.**, 2020. Genotypic and phenotypic relationship among yield its components in Okra. National conference on "Replacement of Petrochemicals by Bio-based chemicals for safe environment" organized by C.C.R. (P.G.) College Muzaffarnagar, Feb. 18, pp:41.
- ❖ **Arvind Kumar, Tanu Shiri et al.**, 2020. Morphological characterization and yield traits analysis in some parental crosses of Okra (*Abelmoschus Esculentus* L.). 5th Global Conference on "Modern approaches for Smart Agriculture" (MASA 2020) organized by Shobhit Institute of Engineering & Technology, Meerut, Feb. 28-29, pp:100.
- ❖ **Arvind Kumar, Tanu Shiri, Shailendra Singh Gaurav, Sahadev Singh and Mahendra Kumar.** 2020. Exploitation of General and Specific Combining Ability of Okra (*Abelmoschus esculentus* L.). International Web Conference Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020). Agricultural & Environmental Technology Development Society (AETDS) U.S. Nagar, Uttarakhand, India, October, 04-06, pp:332
- ❖ **Tanu Shiri, Arvind Kumar et al.**, 2020. Regulation of proteins mediating neurodegeneration in MLOs or PTMs and develop targeted medical science. National conference on "Replacement of Petrochemicals by Bio-based chemicals for safe environment" organized by C.C.R. (P.G.) College Muzaffarnagar, Feb. 18, pp: 13.
- ❖ **Tanu Shiri, Arvind Kumar, Shailendra S. Gaurav, S.K. Singh, et al.**, 2020. Empathetic Value and Parameters of Natural Solutions to Environment Revolution and Other Global Challenges. International e-Seminar on "Biodiversity & Human Welfare" School of Biological Engineering & Life Sciences Shobhit Institute of Engineering and Technology (Deemed-to-be-University) Meerut, India, June 05-06, pp: 72.
- ❖ **Tanu Shiri, Arvind Kumar S.S. Gaurav, S.K. Singh, Deeksha Sharma, Neha Bisht, Sourabh Jain, and Amreen Ansari,** 2020. Hereditary Analysis of Quantitative Traits in ten Cultivars of *Abelmoschus Esculentus* (L) Moench. International Web Conference Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020), Agricultural & Environmental Technology Development Society (AETDS) U.S. Nagar, Uttarakhand, India, October, 04-06, pp:117.
- ❖ **Tanu Shiri, Shailendra S. Gaurav, A Kumar.** Human; s psychological problems and their Remedies during COVID-19 Pandemic.2020.

Paper Publication:

- ❖ **Arvind Kumar, Shukla G., Singh S., Shri T., Kumar V., and Kumar M.**, 2018. 'Use of degenerate Primers for Molecular Identification of Begomovirus Associated with Yellow Vein

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Mosaic and leaf Curl Disease of okra in Meerut (UP). *Global journal for research analysis*, 2277-2280.

❖ Arvind Kumar, Thapa, R.S., Majeed, A. and Singh, S., 2018. "Inhibitory effect of commercial fungicides against virulent isolate of *Rhizoctonia Solani*". *Journal of Pharmacognosy and Phytochemistry*, 7(3), pp.1861-1863.

❖ Kumar Arvind, Gaurav SS and Tanu Shiri. Combining ability studies in okra (*Abelmoschus esculentus* (L.) Moench) through diallel analysis for yield and yield attributing characters. *The Pharma Innovation Journal* 2021; 10(5): 480-485.

❖ Kumar Arvind, Gaurav SS and Tanu Shiri. Heterosis and inbreeding depression in okra (*Abelmoschus esculentus* L.) Moench) *Indian Journal of Genetics and Plant Breeding* 2021. 0975-6906.

❖ Tanu Shiri, Arvind Kumar, Swati Sharma, Akash Kumar, Govind Singh and Rashmi. 2020. Effects of liquid amla curd organic biomanure (LACOB) on growth and yield of turnip (*Brassica rapa*). *The Pharma Innovation Journal*, 9(5): 200-207.

❖ Tanu Shiri, Arvind Kumar, Vani Priyta, Akash Kumar, Govind Singh, Rashmi and Nisha Saifi. 2020. Stimulus of Panchgavya Bio-Manure (PGBM) on developmental growth as well as harvest of *Pisum sativum*. *Journal of Pharmacognosy and Phytochemistry*, 9(3): 905-910.

❖ Tanu Shiri, S.S. Gaurav, S.K. Singh, Arvind Kumar, Swati Sharma and ShrashtiTeja. 2020. Health benefits of nutritive value and qualitative symptoms in okra (*Abelmoschus esculentus*): 1082-1085.

❖ Rajendra Kumar, SK Singh, Arvind Kumar, Sahadev Singh and Mahendra Kumar" has published manuscript titled 2020."Study of genetic variability and heritability of yield and its components in forage sorghum (*Sorghum bicolor* L. Moench)".

#### Poster presentation:

1. Topic –Poster presented National Seminar on Role of green chemistry in environment at Challenges of climate change and green Environmental Solution. December 10, 2016, Department of Botany, CCSU Meerut, UP India.
2. Topic –Poster presented International Seminar on Study of GCA and SCA in okra at Genomics and Breeding for crop Improvement, 04-06, December 2019. Department of genetics and Plant breeding CCSU Meerut, UP India.
3. Topic –Poster presented International Seminar on Morphological characterization and yield traits analysis in some parental crosses of okra (*Abelmoschus esculentus* L.) at Modern Approaches for Smart Agriculture (MASA-2020) Feb 28-29, Shobhit Institute of Engineering and Technology (Deemed-to-be-University) Meerut, UP India.

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4. Topic - Poster presented International Web Conference on Exploitation of General and Specific Combining Ability of Okra (*Abelmoschus esculentus L.*) at International Web Conference Perspective on Agricultural and Applied Sciences in COVID-19 Scenario (PAAS-2020), Agricultural & Environmental Technology Development Society (AETDS) U.S. Nagar, Uttarakhand, India, October, 04-06.

5. Topic - Poster presented International Seminar on Correlation coefficient and path Analysis of okra (*Abelmoschus esculentus L.*) at 4<sup>th</sup> Global Approaches in Natural Resource Management for climate Smart Agriculture (GNRSA- 2020) during Pandemic Era of COVID-19 Shobhit Institute of Engineering and Technology (Deemed-to-be-University) during 26-28 february, 2021 Meerut, UP India.

book chapter published

topic. 1. Application of Plant biotechnology in crop improvements.

2. Influence of Rapid Urbanization on Agri-Food Production and the Environment in India.

list of online workshop/webinars/ E- conference:

- Participated in the International Webinar on Post Covid-19 Research Advancement in the Arena of Agricultural, Environmental and Life Sciences organized by Research and Education Development Society (Regd.) in the association with Unnat Bharat Abhiyan Cell, C.C.R. (PG) College, Muzaffarnagar, Uttar Pradesh, India, during 15-16 June 2020.
- Participated of e-faculty development program cum training workshop on-Environment water and disaster risk revolution. 13 17 July organized by National institute of disaster management, Ministry of Home affairs, Govt, of India NCR, India.
- Attending the online webinar on 'Battle against novel corona virus jointly organized by promega Biotech India. Pvt Ltd & Biotechnical info Labs Pvt. Ltd on 05 August 2020.
- Participate international webinar on "challenges & opportunities for Business & economies worldwide, post covid -19. (Outbreak of covid -19 PANDEMIC: CHALLENGES AND THE ROAD AHEAD) 7 June, 2020(Sunday). Jointly organized by faculty of commerce & department of economics Government Raza P.G. College, Rampur.UP, India.
- Participate/presented a poster entitled- "REVISTING THE HEALTHCARE SYSTEM IN THE WORLD AND REVAMP IT' (vip c- covid: impact and response) on 12-13 June, 2020.orgnized by internal quality Assurance cell (IQAC). Karma veer Hire Arts, Science, commerce and education college. Gargoti, Tal-Bhudargod, Dist-Kolhapur, MS. India 416209 in collaboration with Bhumi publishing, India.
- Participated in an international webinar on the Topic role of Nutrients, minerals & spices for Healthy immune system. Organized by School of Agriculture Sciences, IIMT University Meerut UP, India. 26 June 2020.

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Extracurricular activity/Training:

Done two months training at National Institute of Agriculture Extension Management, (MANAGE) Hyderabad. During (05-october-2015 to 07- December -2015).

Complementary skills:

- ❖ Computer: - Microsoft: Excel, PowerPoint, Word: Advanced
- ❖ Languages: - English, Hindi

Hobby:

- ❖ Reading Books
- ❖ Read News Paper

Personal details:

Name:	Arvind Kumar
Father's Name:	Ram Bahadur
Date Of Birth:	13/12/1992
Gender:	Male
Nationality:	Indian
Marital Status:	Unmarried
Language:	Hindi & English

References:

Prof. Shailendra Singh Gaurav  
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Declaration: I hereby declare that all the above given information is right to my knowledge.

*Arvind Kumar*  
Arvind Kumar

Place:

Date: