

CURRICULUM VITAE

Name : **Dr. Mohit Kumar**
Designation : Assistant Professor (Agricultural Engineering)
Date of Birth : 13th July, 1994
Address : Sri Karan Narendra Agriculture University, College of Agriculture, Bhusawar, Bharatpur- 321406
Phone : +91 7875743742 (M) +91 8360686031 (M)
E-mail : mohit130794@gmail.com



ACADEMIC QUALIFICATION:

B. Tech. in Agricultural Engineering (2012-2016) from Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola (MS); **M. Tech.** in Farm Machinery and Power Engineering (2016-2018) from Punjab Agricultural University, Ludhiana (Punjab) on Project “**Refinement and evaluation of sugarcane trench planter to suit local conditions**”; and **Ph. D.** in Farm Power and Equipment (2018-2022) from Indian Agricultural Research Institute, New Delhi on Project “**Design and Development of Cumin Harvester for Small Farmers**”.

AWARDS/DISTINCTION:

- Qualified **ICAR-NET-2019** and **ICAR-NET-2023**.
- Awarded **Young Scientist Award-2023** in 5th International conference on climate change and its impact held at SKUAST, Srinagar, J&K, India
- Qualified **GATE** by **MHRD** in 2019.
- Awarded **IARI Fellowship** for **Ph. D.** during 2018-2022
- Qualified **ICAR SRF 2018**
- Awarded **ICAR-JRF fellowship** during 2016-18.
- Awarded **ICAR- National Talent Scholarship (NTS)** during 2012-16.
- National level participation in “**KRITAGYA-A National Level AgTech Hackathon Promoting Innovation in Farm Mechanization-2020**”
- Presented working model in **NIRMAAN- National level Tech Skill Expo XIth Edition** on 28-29 March 2023 at SISTec, Bhopal (MP)
- Developed machine “**Sugarcane Trench Planter**” has been recommended by PAU in 274th meeting of Research Evaluation Committee (REC) held on 08/08/2019.
- Associate Developer of technology “**Field Performance Measuring Apparatus for Farm Implements**” recognized by **ICAR, New Delhi**.

EXPERIENCE:

- **1.5-year** Research Experience as SRF under the project of All India Coordinated Research Project on Farm Implements and Machinery (**AICRP on FIM**) at **ICAR- Central Institute of Agricultural Engineering, (ICAR- CIAE), Bhopal (MP)**

PUBLICATION:

1. **Research Paper/Review Paper:** 13 Research paper published in different scientific journal.
2. **Paper Presented in Seminar Symposium/Abstract:** 3 Poster presented, 2 abstract and 1 conference paper published.
3. **Book/ Book Chapter:** 7 book chapter published
4. **Article/technical bulletin:** 8 popular articles published in different reputed magazine and 8 technical bulletins published.

SPECIALIZED TRAININGS:

- Four-month training on “Planning and Management in Densification Technology of Biomass Industries” from Maheshwari Biofuel briquetting plant Pvt. Ltd. Akola (MS)
- One-month training on “Operation, Assemblies and Testing of tractors” from Central Farm Machinery Training and Testing Institute, Budani (MP).
- One-month training on “Soil and Water Conservation” at ICAR-Indian Institute of Soil and Water Conservation, Udhamandalam, Tamil Nadu.
- Six-week online course on “Employment generation among Rural Youth through Agripreneurship”
- 21 days training on Agriculture Drones Revolutionizing the future of agriculture, Agri Meet Foundation and Aviana
- One-month training on Computer Aided Design (Creo Elements/Pro), ICAR-CIAE, Bhopal

MEMBERSHIP OF SCIENTIFIC SOCIETIES:

- **Life member**, Indian Society of Agricultural Engineers.

BEST PUBLICATIONS:

1. **Kumar, M., Sahoo, P. K., Kushwaha, D. K., Gudi, S., Singh, G., Mahore, A., Nalawade, R., Patel, A., Pradhan, N. C., Rahimi, M. (2023).** Tackling the Constraints of Cumin Cultivation and Management Practices. *Annals of Agricultural & Crop Sciences*, 8(3), 1-14 (**Impact Factor: 2.8**)
2. **Kumar, M., Dogra, B., Sanghera, G. S., & Manes, G. S. (2019).** Modification and evaluation of commercially available sugarcane trench planter for its application under Punjab conditions. *Sugar Tech*, 21, 586-595 (**NAAS: 7.87**).
3. Pradhan, N. C., Sahoo, P. K., Kushwaha, D. K., Makwana, Y., Mani, I., **Kumar, M., Aruna T. N., and Soumya K V. (2023).** A finite element modeling-based approach to predict vibrations transmitted through different body segments of the operator within the workspace of a small tractor. *Journal of Field Robotics*, 1-19 (**Impact Factor: 6.38**)
4. Pradhan, N. C., Sahoo, P. K., Kushwaha, D. K., Mani, I., & **Kumar, M. (2022).** Actuating force for transmission controls in small farm tractor considering driver’s comfort. *The Indian Journal of Agricultural Sciences*, 92(7), 876–881. (**NAAS: 6.37**).