

CURRICULUM VITAE

Name : ARVIND KUMAR
Designation : Scientist (Farm Machinery & Power)
Sex : Male
Date of Birth : 01-01-1969
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Educational Qualification:

Degree	Year	University
B. Tech (Ag. Engg.)	1989	Allahabad University
M. Sc. (Ag. Engg.)	1991	Allahabad University
Ph.D.	2016	Tezpur University

Professional Experience:

Post held	Institution	Period
ARS Probationer	NAARM, Hyderabad (Trainee of 76 th FOCARS)	16.04.2003 to 24.08.2003
Scientist (FMP)	ICAR Research Complex for NEH Region, Umiam, Meghalaya	25.08.2003 to 30.06.2017
Scientist (FMP)	ICAR –CIRG, Makhdoom, Mathura	01.07.2017 till date

Projects handled / associated

1. Survey of agricultural Mechanization in North East India.
2. National Agricultural Technology Project (NATP) on Household Food and Nutritional Security for Tribal, backward and hilly Areas.
3. Revolving Fund Scheme on Commercialization of Farm Tools and Machinery for Hill Agriculture.
4. Design and development of Dryer for Large cardamom (in collaboration with Central Institute of Agricultural Engineering, Bhopal).
5. Identification and evaluation of puddlers suitable for NEH region.
6. All India Coordinated Research Project on Farm Implements and Machinery.
7. Design and development of power tiller operated pneumatic planter.
8. Development of Complete Technology Package of Beehive Charcoal Briquette.
9. Evaluation of conservation efficiency of grasses on hill slopes of Meghalaya Region.
10. Analysis of historical weather variables and accuracy assessment of weather forecast for improving the agro advisory.
11. Agri-Business Incubation project.

Publication:

Research papers: 15, Book chapters: 5, Technical bulletins: 1, Technical/Popular articles: 9

1. Shukla BD, Singh Matbar, Kumar Arvind and Singh SP. 2008. Drying Equipment for Large Cardamom. *Proceedings of 16th International Drying Symposium (ISD 2008)*, Hyderabad, India. 9-12, November 2008. pp 1397-1402.
2. Sahay CS, Thomas EV, Satapathy KK and Kumar Arvind. 2011. Laboratory evaluation of selected Animal drawn Implements for the State of Meghalaya. *Journal of Agricultural Engineering*, Vol. 48(2).
3. Mandal S, Kumar Arvind, Singh RK, and Ngachan SV. 2012. Evaluation of composition, burn rate and economy of beehive charcoal briquettes. *International Journal of Agricultural Engineering*, 5(2): 158-162.
4. Kumar Arvind and Baruah DC. 2013. Wetland traction research: Present status and future need. *International Journal of Agricultural Engineering*, 6(1), 216-220.
5. Mandal S, Singh R.K, Kumar Arvind, Verma BC, and Ngachan SV. 2013. Characteristics of Weed Biomass-derived Biochar and their Effect on Properties of Beehive Briquettes. *Indian Journal of Hill Farming*, 26(1), 8-12.

6. Mandal S, Kumar Arvind, and Singh RK. 2014. Design of a Reciprocating Manual Weed Cutter for Hill Orchard. *Journal of Agricultural Engineering*, 51(1): 1-6.
7. Mandal S, Kumar A, Singh RK, Ngachan SV, Kundu K. 2014. Drying, Burning and Emission Characteristics of Beehive Charcoal Briquettes: An alternative household fuel of Eastern Himalayan Region. *Journal of Environmental Biology*, 35(5): 543-548.
8. Chakraborty D, Singh RK, Saha S, Roy A, Sethy BK, Kumar A, Ngachan SV. 2014. Increase in extreme day temperature in hills of Meghalaya: Its possible ecological & bio-meteorological effect. *Journal of Agrometeorology*, 16(Special Issue-I): 147-152.
9. Mandal S, Kumar A, Singh RK, Ngachan SV. 2014. Road Map for Farm Mechanization in Assam. *Indian Journal of Hill Farming*, 27(1): 30-36.
10. Kumar A, Mandal S, Singh RK, Tamhankar MB. 2015. Comparative Performance of Puddlers in Low Lands of Hilly Areas. *Indian Journal of Hill Farming*, 28 (1):63-68.
11. Kumar A, Baruah DC. 2016. Performance of lugged cage wheel for wetland cultivation. *Agricultural Engineering International: CIGR Journal*, 18(3): 113-118.

Membership of societies:

1. Life Member of **Indian Society of Agricultural Engineers**, New Delhi.
2. Life Member of **Indian Association of Hill Farming**, Shillong.
3. Member of “**The Institution of Engineers (India)**”.
4. Life Member of “**Indian Meteorological Society**”, Mausam Bhawan Complex, New Delhi.

Date: 31.07.2017

(Arvind Kumar)