

**Dr. VINOD KUMAR**

Pr. Scientist (Computer Application)

Email: vinod.kuma6@icar.gov.in

Phone: 05644-260379/260495

Fax: 05644-260565

1. Date of birth : 01-12-1972
2. Education Qualification : Ph.D. (Computer Science), ICIS, Agra (2010); M.C.A., MMMEC, Gorakhpur (1998); M.Sc. (Organic Chemistry), Agra University (1993); PGDNM, VMOU, Kota (2020)
3. Joining Date in ICAR : 19-11-1999
4. Joining Date in DRMR : 19-11-1999
5. Discipline/Specialization : Computer Applications in Agriculture
6. Research Experience : 18 years
7. Training/advance exposure in the area of work : Obtained Training on Bioinformatics and its applications in Agriculture at Bioinformatics Centre, IT-BT Complex, KAU, Thrissur. Advance Linux Administration at Advance Training institute for Electronic and Process Instrumentation, Ramanthapur, Hyderabad. Introduction to LAN/ WAN Technologies at ERNET India, New Delhi.

8. Contribution to the Scientific advancement

- Publication information system DRMR PubInfo to maintain and search the publication information.
- GUI Based digital photo manager tool for management and retrieval of desire image
- Weather based online aphid forecast system, image based plant disease identification and management software and Expert tool for fertilizer recommendation
- Online database of Biochemical Characteristics of rapeseed-Mustard

9. Current Research Projects & Future planning of research

- Development of online application for rapeseed-mustard information management and transfer of technology.

10. Awards/ Recognitions

- Young scientist Award (2009) for IT Application in Agriculture Extension by the Society of Extension Education, Agra
- Best IT Professional Award of the year 2011 for IT Application in Agriculture extension by

the Society of Extension Education, Agra

- Dr. PR Kumar Outstanding Brassica Scientist Award (2012) for IT Application in Rapeseed-Mustard y Society of Rapeseed-Mustard Research, Bharatpur
- Fellow of the year 2014 by society of rapeseed-mustard research, Bharatpur
- राजभाषा उत्कृष्ट सेवा पुरस्कार वर्ष 2014, (नराकास में सूचना प्रौद्योगिकी के उपयोग के लिए), नगर राजभाषा कार्यान्वयन समिति, (राजभाषा विभाग, गृह मंत्रालय, भारत सरकार), भरतपुर
- Gold Medal 2019 by society of rapeseed-mustard research, Bharatpur

11. Publication (Research Paper best 10)

1. **Vinod Kumar** (2013) Design and implementation of an agricultural publication information system using metadata description: A web-based documentation and performance evaluation approach. *Information Development*, 31(4): 349-357 (Impact factor 0.90)
2. **Kumar, Vinod & Bala Manju** (2013) Development of web based database on biochemical characteristics of rapeseed-mustard. *Bioinformation* 9(10): 537-540 (Impact factor 1.0)
3. **Kumar, Vinod;** Lehri, Sushma.; Sharma, Ashok Kumar and Kumar, Arvind (2008) Design and implementation of agriculture research digital photo manager. *Computers and Electronics in Agriculture* 60 (2): 296-300 (Impact factor 1.7)
4. **Kumar, Vinod;** Kumar, Amrender and Chattopadhyay, Chirantan (2012) Design and implementation of web-based aphid (*Lipaphis erysimi*) forecast system for oilseed Brassicas, *Indian Journal of Agricultural Sciences* 82 (7): 608–14, July 2012 (ID: I017 & NAAS Rating 6.6)
5. **Kumar, Vinod;** Singh, K.H; Chaturvedi, K.K and Nanjundan, J. (2013) Design and implementation of web-based database of rapeseed-mustard germplasm using Linux - Apache - MySQL- PHP(LAMP), technology. *African Journal of Agricultural Research* Vol. 8(22), pp. 2733-2743 (ID: A052 & Rating 6.0)
6. Roy , Sumana; Meena, R.L.; Sharma, K.C.; **Kumar Vinod;** Chattopadhyay C.; S. Khan, A. and Chakarvarty, N.V.K. (2006) Thermal requirement of oilseed brassica cultivars at different phenological stages under varying environmental conditions. *Indian Journal of Agricultural Sciences* 75(11): 717-21 (ID: I023 & Rating 6.6)
7. Bhattacharya, B.K.; Dutta, S.; Dahawal, V.K; Parihar, J.S.; Chattopadhyay, C.; Agrawal, R.; **Kumar, V.;** Khan, S. A.; Roy, S.; (2007) Predicting aphid (*Lipaphis erysimi*) growth in oilseed Brassica using near surface meteorological data from NOAA TOVS - a case study. *International Journal of Remote Sensing* 28(17):3759–3773 (ID: I161 & Rating 7.5)
8. **Kumar, Vinod;** Lehri, Sushma.; Sharma, Ashok, Kumar; Meena, P.D and Kumar, Arvind (2008) Image Based Rapeseed-Mustard Disease Expert System: An Effective Extension Tool. *Indian Research Journal of Extension Education* 8 (2&3): 10-13 (ID: I075 & Rating 3.5)
9. **Kumar, Vinod;** Kumar, Arvind; Premi, O.P. and Kumar Manoj (2004). An expert tool for fertilizer management of rapeseed-mustard. *Journal of Oilseeds Research* 21(1): 130-133 (ID: J291 & Rating 3.3)
10. **Kumar, Vinod;** Sharma, A.K. and Kumar, Arvind (2004) Information Technology: A boon for Indian

11. **Kumar, Vinod;** Sharma, A. K. and Kumar, Arvind (2005) Agriculture commodity (area, production, yield) information System. *Annals of Agricultural Research* 26(3):431-434 (ID: A128 & Rating 2.9)

12. **Other achievements**

- Received DST International Travel Support (ITS) to attend 3rd IEEE International Conference on Computer Science and Information Technology organized by International Association of Computer Science and Information Technology during 9-11 July 2010, Chengdu, China

CONTACT US

Mobile: 9414025076

Phone: 05644-260379/260495 (Ext: 243)

Fax: 05644-260565

Email: vinod.kumar6@icar.gov.in