

Dr. SHAIK N. MEERA

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1. Personal bio-data:

- a) Position/Designation** : Senior Scientist
b) Joining date in ICAR : 16 April, 2003 (DOB: 08/04/1974)
c) Discipline and Specialization : Agricultural Extension

(ICT applications in Extension, Frontline Demonstrations, Knowledge Management and Livelihoods)

d) Training/advance exposure in the area of work:

- Study visit on “Information and Communication Technology (ICT) mediated Agricultural Knowledge Management” 22 days (October 7 to October 28, 2010); United States of America, (Iowa State University).
- Deputation to International Rice Research Institute, Philippines 18 November – 09 December 2009.

e) Contribution to the scientific advancement:

- Built first agricultural semantic portal of the country viz., Rice Knowledge Management Portal (RKMP – www.rkmp.co.in) which has several global firsts in terms of comprehensiveness and utility.
- Architect of an ‘extension’ centric consortium for application of ICT and Knowledge Management strategies in the field of agriculture.
- Carried out extension researches on harnessing ICTs in agricultural development in past eight years. His work on Applications of E-Learning in Rice Sector is perhaps the only empirical study conducted on assessing the e-readiness parameters in extension systems.
- Published about 10 high valued research papers on ICT based extension besides 11 book chapters and 12 technical bulletins. His book published on “ICTs in Agricultural Extension: Tactical to Practical” has been referred for the ICT based surveys and is recognized as the reference book by ICAR.
- For his ICT related work he received several awards such as a nation level Young Scientist Award of Indian Society of Extension Education, Vasantnao Naik Gold Medal, Young Scientist Award of Kerala State Council of Sciences, Mitraniketana KVK, etc., His

Agriculture Research Extension Network (AgREN) paper of Department Fund for International Development (DFID) of UK is recognized in the top 200 ICT4D papers online.

2. Future Planning of research :

- Application of Knowledge Management strategies in extension/ agricultural organizations, Climate change and extension strategies.
- Blending ICT/ KM strategies with traditional extension methods.

3. Publications :

- **Shaik N. Meera**, S. Arun Kumar, P. Muthuraman, K. Chiranjivi, V. Rajender Reddy and Mangal Sain (2011). Rice Farming Systems in Backward Regions: Socio-economic assessment and sustainable Livelihoods. *Journal of Agricultural Extension Management*. 12 (1): 77-97.
- **Meera Shaik N**, Arun Kumar S, Muthuraman.P, Chiranjivi. K, Rajender Reddy and Mangal Sain (2010). Socio-economic Assessment and Sustainable Livelihood Analysis in Rice Farming System. *Journal of Rice Research, Society for Advancement of Rice Research, Hyderabad*. 3(2): 60-67.
- **Shaik N. Meera**, GAK Kumar, PS Pandey, S Arun Kumar and BC Viraktamath (2012). Empowering Farmers through Rice Knowledge Management Portal in India. *Agricultural Information and Knowledge for All: Success Stories on ICT/ICM in the Asia-Pacific Region*. Asia-Pacific Association of Agricultural Research Institutions (APAARI). FAO Regional Office for Asia & the Pacific. Bangkok. P.35
- **Meera Shaik N**, Balaji V, Muthuraman P, Sailaja B and Sreenath Dixit (2011). Changing Roles of Agricultural Extension: Harnessing Information and Communications Technology (ICT) for Adapting to Stresses Envisaged Under Climate Change. In: B. Venkateshwarulu et al. (eds.), *Crop Stress and its Management: Perspectives and Strategies*, Springer Science+Business Media. 583-603
- **Meera Shaik N**, Arun Kumar S , Amtul Waris, Vara Prasad C, Muthuraman P, Mangal Sain and Viraktamath BC (2010). E-Learning in Extension Systems: Empirical Study in Agricultural Extension in India. *Indian Journal of Extension Education*. 46 (3&4): 94-101.
- **Shaik N. Meera** (2008). Transforming Extension through ICTs: Issues and Strategies for Developing World. *Journal of Global Communication*, Global Communication Research Association, Sydney. 1 (1): 68-75.
- **Meera Shaik N**, Arun Kumar S , Amtul Waris, Vara Prasad C, Muthuraman P, Mangal Sain and Viraktamath BC (2010). E-Learning in Extension Systems: Empirical Study in Agricultural Extension in India. *Indian Journal of Extension Education*. 46 (3&4): 94-101.
- **Meera Shaik N**, Mangal Sain, Muthuraman.P, Arun Kumar S, Sailaja B. , Jyothi SSP and Viraktamath BC, (2010). Critical Analysis of E-learning opportunities and E-readiness in

the Public Extension System: Empirical evidence from Tamil Nadu. *Journal of Global Communication*, Global Communication Research Association, Sydney. 3(2): 11-18.

- **Meera Shaik N**, Balaji V, Muthuraman P, Sailaja B and Sreenath Dixit (2011). Changing Roles of Agricultural Extension: Harnessing Information and Communications Technology (ICT) for Adapting to Stresses Envisaged Under Climate Change. In: *B. Venkateshwarulu et al. (eds.), Crop Stress and its Management: Perspectives and Strategies*, Springer Science+Business Media. 583-603
- **Shaik N. Meera** (2008). Transforming Extension through ICTs: Issues and Strategies for Developing World. *Journal of Global Communication*, Global Communication Research Association, Sydney. 1 (1): 68-75.
- Balaji, V, **Shaik N.Meera** and S. Dixit (2007). ICT-enabled Knowledge Sharing in Support of Extension: Addressing the Agrarian Challenges of the Developing World Threatened by Climate Change, with a Case Study from India. <http://www.icrisat.org/Journal/SpecialProject/sp9.pdf>. *E-Journal of Semi Arid Tropics (SAT) Agricultural Research*.4 (1).
- **Meera, N. Shaik** and Anita Jhamtani (2005) Future Projections of use of Information Technology in Agricultural Development in India. *Indian Journal of Extension Education*. 40(1&2): 1-7
- **Meera, Shaik. N.**, Jhamtani, Anita and Rao, D.U.M. (2004). Information and Communication Technology in Agricultural Development: A Comparative Analysis of three projects from India. *Agricultural Research and Extension Network (AgREN) Paper 135* (Sponsored by DFID, UK). Over Seas Development Institute, London, UK. pp 20. http://www.odi.org.uk/agren/papers/agrenpaper_135.pdf
- **N. Meera, Shaik** and D.U.M. Rao (2003). Evaluation of Information and Communication Technology Projects in Developing World; Formulating a Prospective Methodology. *Manage Extension Research Review*. IV (2); p 138-150.

4. Other relevant activities of Scientist:

- Development and Maintenance of Rice Knowledge Management Portal (Worldbank - NAIP funded).
- Applications of E-Learning in Agriculture: Designing an ODL Content Management System for Rice Technologies.
- DBT Funded project on “Improving the Livelihoods of SC &ST Farmers with Rice Technology Interventions”.
- Coordinating Frontline Demonstrations on Rice in India. National Food Security Mission of Ministry of Agriculture, Government of India.
- Developing Open and Distance Learning Modules (ODL) of System of Rice Intensification (SRI).
- Maintaining a Database Managements System (DBMS) of DRR Training Programs.