Curriculum Vitae

Sreenath Dixit

Principal Scientist & Strategic Advisor
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Current Responsibilities:

Strategically supporting the Office of the Director General to maximize the research impact while achieving optimal utilization of scientific and support workforce; provide foresight for investing in strategic partnerships with international, national, and regional institutes for leveraging their networks and resources towards achieving SDGs; contribute to the institute's growth by refining policy and action for advancing the delivery of science.

KEY QUALIFICATIONS

Education

1993 Doctor of Philosophy, University of Agricultural Sciences, Bangalore, India
Researched the impact of the Integrated Rural Development Project (IRDP), India's largest poverty alleviation initiative addressing the reduction of poverty. Cumulative Grade Point Average of 3.92/4.00

1988 Master's in Agricultural Extension, University of Agricultural Sciences, Bangalore, India
Specialized in program planning, organizational development, and development administration. Assessed the impact of a World Bank-assisted **Social Forestry** project on rural beneficiaries for the dissertation thesis. Cumulative Grade Point Average of 3.55/4.00

1986 Bachelor's in Agricultural Science, University of Agricultural Sciences, Dharwad, India
Bachelor's in agriculture with a full range of courses including forestry, farm machinery, animal husbandry, horticulture, and nutrition. Cumulative Grade Point Average of 3.23/4.00

PREVIOUS EXPERIENCE

International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)

July 2018 to March 2023: Principal Scientist and Head, ICRISAT Development Center (IDC)

Lead a large multi-disciplinary team of Scientists, Scientific Officers, Visiting Scientists, Consultants, Research Technicians, and other field staff totalling over 80 in number for scaling up impacts of science-based agricultural technologies; implemented **24** bilateral projects worth over US$ 30 million across several geographies; mentored scientists to research issues of large-scale technology delivery to create impacts.

Worked with donors, scientists, Consultative Group of International Agri Research (CG) and National Agri Research Service (NARS) partners, NGOs, and government to implement technology-led natural resource management (NRM) and livelihood improvement projects with a focus on building climate resilience in several states of India while providing the intellectual lead for 'science of delivery' initiatives elsewhere in Asia and Africa.

Contributed to science and policy of delivery/dissemination and scaling of climate-smart agricultural technology aimed at alleviating poverty, reducing hunger, and improving the livelihoods of the poor while aligning with SDGs.

Jan - Jun 2018: Deputy Head, IDC, ICRISAT

Prepared to take over as Head, IDC after the superannuation of the then incumbent. Interacted with IDC scientists, and staff, travelled to various project locations, and understood the functioning of IDC as a research Theme under the Asia Program

Indian Council of Agriculture Research (ICAR)

2014-2018; Director of ATARI, Agricultural Technology Application Research Institute (ATARI); Bengaluru

Provided leadership to the farm science centers (*Krishi Vigyan Kendras*), which function as frontline extension units at the district level. Mentored the staff of ATARI, Bengaluru as well as of KVKs located in the south Indian states of Karnataka, Kerala, Tamil Nadu, Goa, Puducherry, and Lakshadweep. Liaised with the institutions such as state agricultural universities, ICAR institutes, state governments, and NGOs that host the KVKs for improving the quality of frontline extension services while aiding the adoption of science-based technologies by small and marginal farmers.

Initiated and supported several innovative measures to hasten technology dissemination processes while improving the quality of delivery by KVKs; elevated the level of engagement with host institutions and ICAR headquarters for streamlining fund flow, utilization of resources, and impact. Encouraged excellence and transparency in the use of public funds and promoted accountability among KVK staff and their management. Fostered teamwork and recognized innovation and excellence through new institutional arrangements such as multi-level review of annual action plans, biennial symposium (KVKSYMP) at the regional level, and handholding of weaker KVKs by nodal scientists.

2007-2013: Principal Scientist at Central Research Institute for Dryland Agriculture (CRIDA); Hyderabad

Led the consortium of multi-disciplinary, multi-institute partners for implementing the **World Bank-aided** sustainable rural livelihoods project across eight disadvantaged districts in the semi-arid regions of the undivided Andhra Pradesh, India.

Coordinated the implementation of the Technology Demonstration Component of the **National Initiative** (later, *Innovations*) **on Climate Resilient Agriculture (NICRA)** across 100

climatically vulnerable sites in India. Documented and disseminated some of the most cost-effective adaptation strategies to minimize loss due to climate variability that led to the shaping of regional and national policy on the promotion of climate-smart agricultural practices.

2006-2007: Head, Unit of Socio-economic and Policy Research; CRIDA Hyderabad

Led a team of social scientists to conduct research and policy advocacy in rainfed agriculture, assisted the Director in developing proposals on NRM and Livelihoods for funding under the World Bank-funded National Agricultural Innovation Project (NAIP)

ICRISAT, CGIAR

2004-2006: Project Manager, Virtual Academy for the Semi-Arid Tropics, South Asia

Managed the ICT-KM-funded Project of the CGIAR at the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru, India. I reported to the Head of Knowledge Management and Sharing. My responsibilities included:

- Content generation and validation for VASAT knowledge repository in close coordination with experts from the participating CGIAR centers, namely ICRISAT, IWMI, and ILRI.

- Liaising with partners, especially Open Universities and NGOs who were implementing ICT for development projects in the region and guiding students and visiting scholars in website and content management and assisting the Project Coordinator based on ICRISAT in all aspects of project management.

2003-2004: Senor Scientist, Central Research Institute for Dryland Agriculture (CRIDA); Hyderabad

Resumed the position of Senior Scientist (Agricultural Extension) with Central Research Institute for Dryland Agriculture Research after availing sabbatical leave for one year and continued as a member of a multidisciplinary team for **natural resources management and livelihoods research**. Contributed to strengthening rural livelihoods in the fragile ecosystem of Southern Andhra Pradesh as members of the team that implemented the Department For International Development (DFID), UK-funded project (DFID-*NRSP* R8192).

ICRISAT, CGIAR

2002-2003: Visiting Scientist-Training and Capacity Building, ICRISAT

As a member of a multidisciplinary team, I contributed significantly to DFID-funded **Andhra Pradesh Rural Livelihoods Program (APRLP)** in three drought-prone districts. My role was to design a strategy for capacity building of the project staff, scaling livelihood improvement strategy and livelihood diversification on a watershed basis, and documenting the process of consortium development for convergence at watersheds. Contributed to developing a framework of science-based entry point activities, which is practiced to date at the ICRISAT Development Center.

1999-2002: Senior Scientist, Central Research Institute for Dryland Agriculture (CRIDA); Hyderabad

Joined Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad as Senior Scientist (Agricultural Extension) through direct selection. Contributed to the institute's

mandate of conducting strategic and leading-edge research in the rainfed areas of the semi-arid parts of India through participatory processes. My responsibilities included:

- Developing and implementing strategies to communicate and disseminate information to bring about improvements in rural livelihoods by increasing awareness of **sustainable natural resource management**, changing attitudes, and building capacity through the application of action-learning processes.
- Facilitating multidisciplinary teams in developing, implementing, and evaluating research and extension projects in agriculture, **natural resource management**, and rural livelihoods. Preparing strategies for communicating research findings to a wide range of clients.
- Writing and editing technical reports and newsletters.

1992-1999: Scientist, National Research Centre for Cashew, Puttur, Karnataka

After completing the induction and subject matter training, I joined the National Research Centre for Cashew (now Directorate of Cashew Research-DCR), located in Puttur, Karnataka State, South India. Contributed significantly to the mandate of replacing seedlings with clonally multiplied planting material for higher yield and better quality of cashew, one of the highest foreign exchange earning crops of the country. The research center was newly established and my role was to develop a sound strategy for the dissemination of improved cashew production technology. The strategy included:

- Laying out demonstrations on farmers' fields with clonal planting material of elite varieties
- Conducting pest management and **soil and water conservation campaigns** on farmers' fields
- Liaise with cashew development agencies for capacity building of the field functionaries through need-based training courses and hands-on skill development for gardeners

1991-1992: Scientist-Trainee, National Academy of Agricultural Research Management, Hyderabad

Joined the 39th Foundation course after passing the Agricultural Research Service (ARS) examination with the **third rank** through a national-level selection process involving written tests and personal interviews.

Completed the Foundation course successfully with an '**A**' grade. Later, I completed my subject matter training at the Directorate of Rice Research (now Indian Institute of Rice Research-IIRR), Hyderabad.

PROVEN RECORD OF RESEARCH LEADERSHIP AND MANAGEMENT (2007- to date)

I. Head, ICRISAT Development Centre (IDC), ICRISAT/Interim Global Research Director- Resilient Farm and Food Systems

Took over as the Head of IDC in July 2018 as per the succession plan. Elevated to Internationally Recruited Scientist (**IRS)** grade in March 2020 after going through a process involving open advertisement, shortlisting, and interview by a committee of scientists of international repute. Ably handled the transition during 2018-19 with the support of ICRISAT management and streamlined project management by addressing issues of leadership, overspending and underspending, staffing, and office space. My significant achievements in this position are summarized as under:

- As the Head of IDC which is a fully self-funded Research Cluster under the Global Research Programme on Resilient Farm and Food Systems, I have been attracting funding for supporting all the operations of IDC besides the pay and allowances for members (80+) of my team stationed both on and off-campus. The staff consists of a multi-disciplinary team that includes 20 Scientists, Consultants, and Managers; Scientific Officers, Research Technicians, Research Assistants, Senior Research Fellows, Project Assistants, Data Entry Operators, Administrative Associates, and Field Assistants.

- Managing 24 bilateral projects worth USD 32.1 million. These are funded by provincial governments (USD 29.6 million); corporate donors (USD ~ 1 million) and international donors and others (USD 1.5 million).

- Brought funding worth US$ 10 m during my tenure including a large project (worth US$ 8.0 m) from a new donor, the Department of Panchayat Raj, Govt of Odisha, two Corporate Social Responsibility-CSR projects, and one private partner

- Streamlined the process of project management by decentralization and delegation of project leadership.

- Strengthened partnership with NARS: signed MoU with several research institutes of NARS and State agricultural universities

- Initiated efforts to strengthen the science component in IDC and transformed IDC focus from 'implementation' to 'science of delivery.

- Encouraged scientists to publish their work in high-impact journals, present papers in conferences, document case studies, write book chapters, policy briefs info brochures, etc. In the last two years, IDC scientists have written over 30 papers, of which **20** were published and the rest are under review/revision.

II. Director, ICAR-ATARI, Bengaluru 2014-2018

I headed the Agricultural Technology Application Research Institute (ATARI), one of the eight ATARIs of the Indian Council of Agricultural Research located in different Zones of the Country (now there are 11 ATARIs), based in Bengaluru as the administrative and technical lead. As the Director of ATARI, Bengaluru I was responsible for the physical and fiscal monitoring of 81 Krishi Vigyan Kendras (Farm Science Centres, located in each of the 650+ districts of India), spread across three large states (Karnataka, Kerala, and Tamil Nadu), two small states (Goa and Pondicherry) and a Union Territory (Lakshadweep). KVKs in India represent the largest frontline extension system in the world and are fully funded by the Indian Council of Agricultural Research under the Ministry of Agriculture, Government of India. The salient responsibilities of this position and my achievements are summarised below.

- Managed a core budget of INR 750 million annually (~12 m USD). Besides, I generated about INR 120 - 150 million annually (~2 to 2.4 m USD) for funding special activities of KVKs through various other sources.
- Liaised with 35 different organisations, including three state government entities, four ICAR institutes, nine State Agricultural Universities, and 19 NGOs.
- Adopted innovative mechanisms and new partnerships to improve the quality of delivery of frontline extension services to farmers.

- Streamlined KVK management by promoting transparency and excellence by close monitoring and promoting talent.
- Emphasised generation of revenue through revolving funds by judicious use of KVK farm resources.
- Introduced a close monitoring mechanism through delegation by designating Nodal Scientists.

III. Consortium Lead, NAIP Component-3, and National Coordinator, TDC- NICRA: 2007-2013

National Initiative for Climate Resilient Agriculture: Technology Demonstration Component (2012-13): I was the project lead for the field implementation of a large project in which climate-smart agricultural technologies were demonstrated by Krishi Vigyan Kendras located across 100 climatically vulnerable districts of India. My work involved guiding and advising KVKs in implementing climate-smart technology modules; monitoring the technical and financial progress of the KVKs besides traveling extensively to review field-level progress across the country. I also developed innovative project management mechanisms and policy leads to facilitate the scaling up of climate-smart technologies. The major achievements of the project are:

- Demonstrated site-specific **natural resource management solutions** as means to adapt to climate variability
- Promoted small farm mechanization by establishing 100 custom hiring centers for timely agricultural operations. This became the precursor to the state policy of establishing CHCs at block and sub-block level
- Strengthened the village-level institutions by establishing Village Climate Risk Management Committees (VCRMC) in all the 100 villages of the project
- Strengthened local livestock management practices by improving nutrition, prophylaxis, housing, and promoting livestock insurance
- Conclusively demonstrated the efficacy of decentralized **rainwater management** as an effective adaptation strategy to minimize losses due to mid-season droughts.

Sustainable rural livelihoods through enhanced farming systems productivity and efficient support systems in rainfed areas (2007-2012) under Component 3 of the National Agricultural Innovation Project aided by the **World Bank** with a total outlay of INR 18 million (US$ 4 m). As the Consortium Principal Investigator, I led a multi-institute and multidisciplinary consortium of 11 partners consisting of NGOs, SAUs, and a CG institute (ICRISAT) to implement the project across eight districts in the drought-prone area of Andhra Pradesh, India. The major objective of this project was to determine what it takes to make agricultural technologies work for the rural poor. It also documented what works, what does not, and why.
The following have been the major outcomes of the project.

- Registered 20-30% increase in productivity of dryland crops such as cotton, maize, pigeonpea, and vegetables through rainwater management and correction of micronutrient deficiencies.
- Brought over 400 ha under a protective irrigation regime through site-specific rainwater harvesting and reuse and increasing the cropping intensity to an average of 178%. This was achieved by mobilizing rural communities to build/renovate or repair over 250 rainwater harvesting structures to capture over 438000 cu m of rainwater. This led to a significant decrease in distress migration of poor rural communities.

- Established locally managed seed banks for peanuts and pulses to aid the availability of improved seeds to smallholder farmers
- Promoted better feed and health management practices in small ruminants and large ruminants resulting in a 20% increase (over traditional practices) in body weight of small ruminants and a 30% increase in milk yields in large ruminants.
- Developed entrepreneurship among marginal farmers and landless women through small ruminant and calf rearing practices with an average increase of family income by INR 3000 to INR 12000/annum.
- Organized pigeonpea growers, mango growers, and vegetable cultivators as producer groups and increased profitability by 25% through primary value addition and market linkage.
- Facilitated convergence with ongoing flagship programs of the federal and the provincial governments for taking up NRM interventions like tank de-silting, large-scale digging of farm ponds, promotion of micro-irrigation to improve water productivity, etc.; the worth of convergence was over INR 10 million during the project period.

PROJECTS: 1999-2007

Virtual Academy for the Semi-Arid Tropics at the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), an inter-CG center project for the application of novel ICT-based tools for agricultural extension. My role was to liaise with rural organizations and agricultural knowledge producers such as SAUs and ICAR research institutes and a group of ICT experts to produce quality e-learning content for use in training and agricultural extension. I was responsible for the identification of information needs of the end-users and the facilitation of content development by experts for wider electronic use.

Tools and Indicators for Planning Sustainable Soil Management on Semi-Arid Farms and Watersheds, a collaborative project with State agencies in Queensland, Australia, and funded by the Australian Centre for International Agricultural Research (ACIAR) and Central Research Institute for Dryland Agriculture (CRIDA). My role was to facilitate the project team and to develop and evaluate action-learning tools to aid participative learning processes.

Department For International Development (DFID), UK-funded project on **'Common pool resources (CPR) in semi-arid India- Status, dynamics, and Livelihood contributions'** in collaboration with the Natural Resources Institute (NRI), UK. My role was to analyze the livelihood contributions of CPRs using the sustainable rural livelihoods framework and help the team to draw recommendations.

Better livelihoods through improved Natural Resource Management in SAT India funded by the Natural Resource Systems Programme (NRSP) of the Department for International Development (DFID), UK. Other partners of this project were ICRISAT, BAIF (an NGO) and University of Agricultural Sciences, Bangalore, and ANG Ranga Agricultural University, Hyderabad. My role was to prepare participatory research strategies and build the capacity of stakeholders for improved natural resource management. I also lead the team for preparing the communication plan for the project stakeholders.

Coping with Droughts: A computer-based distance-learning module for villages in India funded by the Commonwealth of Learning (COL) under its Poverty Reduction Outcomes through Education Innovations and Networks (PROTEIN) and jointly proposed by ICRISAT, CRIDA, BR Ambedkar Open University, Hyderabad and Andhra Pradesh Rural Livelihoods

Program (APRLP). My role in this project was to assist in developing content on drought management for developing interactive learning modules.

Consortium approach through convergence in APRLP watersheds funded by the Department for International Development (DFID), UK. The consortium partners included ICRISAT, CRIDA, ANGRAU, Drought Prone Area Program of Kurnool, Mahbubnagar, and Nalgonda districts of Andhra Pradesh, and NGOs like BAIF and PEACE. I had the responsibility of addressing the capacity-building needs of the secondary stakeholders.

PROJECTS UNDER IMPLEMENTATION

- Doubling income of Bundelkhand farmers by building climate resilience through science-backed landscape management
- Improving Agricultural Productivity and Rural Livelihoods through Community Participation and Better Crop Management Practices in Target villages in Kalahandi District, S. Odisha
- Farmer-centric Integrated Watershed Management for Improving Rural Livelihoods in Telangana and Andhra Pradesh
- Improved Livelihoods through Integrated Watershed Development Interventions and community-driven business unit: Jawhar, Maharashtra
- Restoring degraded landscapes for improving livelihood and nutritional security of the Particularly Vulnerable Tribal Groups (PVTG) in Odisha
- Enabling a resilient and prosperous community through participatory agroecological practices in the semiarid region of central Tanzania
- Pathways to Agroecological Intensification of Sorghum and Millet Cropping Systems of Southern Mali - Phase 2
- Sustainable Intensification of Key Farming Systems in the Sudano-Sahelian Zone of West Africa
- Stepping-up Post-Emergency Recovery and Resilience to Empower Vulnerable Communities in Zimbabwe (SUPER-EVC)

COURSE/CERTIFICATE IN RESEARCH LEADERSHIP AND MANAGEMENT

- Crawford Fund 4th Master Class in *Agricultural Research Leadership and Management:* November 2019
- *Executive Development Program* for Leadership in Agricultural Research Management, ICAR-NAARM, Hyderabad: February 2014
- Action Learning for *Leadership for Community Managed Resources*: at the Department of Primary Industries, Queensland, Australia: July-August 2000
- *Foundation Course in Agricultural Research Management* at the ICAR-National Academy of Agricultural Research Management (NAARM) Hyderabad; topped 39th Batch with 'A' grade: 1991-92

PUBLICATIONS

I have over 180 publications to my credit. These include journal articles in reputed peer-reviewed international (40) and national journals (44) of high impact factor; national (15) and international conferences (17); edited book/book chapters (35); technical bulletins (12); policy briefs (06), besides several technical articles in the popular style. Details of my publications can be accessed at
https://scholar.google.com/citations?user=pZU3enwAAAAJ&hl=en

AWARDS

- Junior Fellowship 1986-88: Indian Council of Agricultural Research in Agricultural Extension
- Won 2001 Award for best contribution to Science and Farming through Co-learning during the final workshop of the ACIAR Project for preparing an action learning tool to teach community mobilization
- Awarded Visiting Scientist Fellowship by ICRISAT: 2002-03
- **Young Scientist Award** by the Indian Society for Extension Education for the year: 2007
- **Vasantrao Naik Award** for Research application in dryland agriculture. National Award instituted by the Indian Council of Agricultural Research annually for Teamwork in popularizing technologies related to dryland agriculture: 2009
- **ACIAR project reviewer:** External Reviewer for Australian Center for International Agril Research (ACIAR) funded project *LWR/2002/100 Water harvesting and better cropping systems for the benefit of small farmers in watersheds of the East India Plateau* implemented in Purulia, West Bengal, India: 2009.
- ***e-India*** Citizens Choice # 2 Award for the Best ICT Enabled Agriculture Initiative for teamwork: 2010
- Award of the ***Alumni Association*** of UAS, Bangalore for contribution to ICT in Agricultural extension: 2010.
- **eWorld Best Public Choice** Award for the Best ICT Enabled Agriculture Initiative for teamwork: 2011
- **eAsia Jury Award** for the Best ICT Initiative in Agriculture for teamwork (2011)
- ***NAIP Best Project*** Award under NAIP Component 3 implemented by the consortium led by CRIDA: 2012.
- ***Fakhruddin Ali Ahmed Award*** for Outstanding Research in Tribal Farming Systems. National Award instituted by the Indian Council of Agricultural Research for Teamwork in the field of improving tribal farming systems: 2012
- Best CSR project Partner with PowerGrid Corporation of India, Awarded by the Ministry of Corporate Affairs, Govt. of India: 2018
- ICRISAT ***'First Grant from A New Donor Award'*** seven times: 2019 to 2022.
- UNDP Mahatma Biodiversity Award for Doubling Farmers Income Project implemented in Bundelkhand, UP: 2023

PEER RECOGNITION

- Served as **Member-Secretary** of Subgroup on *Technology Mapping, Adoption, Impact, and Farm Innovations & Agricultural Education* under the Working Group on Agricultural Extension for Agriculture and Allied Sectors for drawing recommendations for inclusion in the **XII Five Year Plan** (2012-2017) by the **Planning Commission**, Govt. of India: 2010 to 2012
- Member, Board of Regents, University of Agricultural Sciences, Dharwad: 2014-2017
- Member, Academic Council of Tamil Nadu Agricultural University, Coimbatore (2016-19)
- Member, Quinquennial Review Team of ICAR- CCARI, Goa: 2018-19
- Member, Editorial Board of Journal of Spices and Aromatic Plants published by Indian Society for Spices
- Member of the Expert Group convened for Vetting of research proposals of MANAGE, Hyderabad: 2018-2020.
- Member, Research Advisory Committee of Indian Institute of Horticultural Research, Bangalore; Central Island Agricultural Research Institute, Port Blair and Central

Institute of Fisheries Technology, Kochi (2016-19); Indian Institute of Oilseed Research (2019-2022)

- Member, Programme Steering and Monitoring Committee, Department of Biotechnology, Ministry of Science & Technology, Govt. of India: 2020-2023
- Associate editor of the International Journal of Extension Education

OTHER SKILLS

Conversant with basic computer operations, excellent written and oral communication, teaching and training skills, planning and organizing ability, interpersonal skills, ability to adapt to the multi-cultural and multi-disciplinary environment; willingness to work with diverse group of partners and clients

PARTICIPATION IN INTERNATIONAL EVENTS

- Annual workshop of RIICE III project at SARMAP premises at Lugano, Switzerland May 2019
- *Agro-ecology workshop* at CIRAD, Montpellier, France: June 2019
- FAO-ICRISAT collaboration meet at FAO-RAP, Bangkok, Thailand: October 2019
- Master Class on *Agri Research Leadership Management*, Penang, Malaysia: November 2019

REFERENCES

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List of Publications

International: Research Papers

1. Singh, H.P., K.D. Sharma, Sreenath Dixit 2004. Management of environmental and natural resources in rainfed regions of India. Balancing Food and Environmental Security: A Continuing Challenge: Second International Agronomy Congress Proceedings, November 26-30, 2002. Indian Society of Agronomy. P184. Indian Agricultural Research Institute. New Delhi, India.

2. Sreenath Dixit, S.P. Wani and Ch. Ravinder Reddy 2005. Participatory varietal selection and village seed banks for self-reliance: lessons learnt. J. SAT Agricultural Research (e-journal). 2(1). Available at: http://oar.icrisat.org/2506/1/participatory_varietal_selection.pdf.

3. Sreenath Dixit, J.C. Tewari, S.P. Wani, C. Vineela, A.K. Chaurasia, and H.B. Panchal 2005. Participatory Biodiversity Assessment: Enabling Rural Poor for Better Natural Resource Management. J. SAT Agricultural Research. 2 (1). Available at: http://oar.icrisat.org/2404/1/Participatory_biodiversity_assessment_enabling_rural_poor for_better_natural_resource_management.pdf.

4. Dileepkumar, G., Sreenath Dixit and V. Balaji (2005). Agricultural Extension With Information And Communication Technology (ICT) Mediated Open Distance Learning (ODL) Methods: A Case Study From Rural South India. Published in Proceedings of Community Informatics Research Network 2005 (CIRN 2005, http://www.cirn2005.org/) Conference held at Cape Peninsula University of Technology, South Africa.

   Republished in Educomm Asia: A quarterly of the Commonwealth Educational Media Centre for Asia, Vol. 10 No. 4 June 2005. Available at http://www.cemca.org/newsletter/jun2005/jun2005.pdf

5. Sreenath Dixit (2005). Farmers and Experts talk via videoconferencing. Appropriate Technology. 32 (3):18.

6. Singh, H.P., M. Osman and **Sreenath Dixit** (2005). Bio-Intensive measures for arresting land degradation in drylands of India. In: Sustainable Development and Management of Drylands in the Twenty-first Century. 2005. *Proceedings of the Seventh International Conference on the Development of Drylands*, 14-17 September 2003, Tehran, Iran. 2005. El-Beltagy Adel and Mohan C. Saxena. Xiv + 517pp. ISBN: 92-9127-179-x, Aleppo, Syria, ICARDA.

7. Gerard, S.A., Sreenath Dixit, B. Diwakar, Ritesh Kumar Sahu, and V. Balaji 2006. Content reusability in e-learning: ICRISAT's experience with Learning Management Systems. International J. the Computers, the Internet and Management. (Special Issue) pp12.1-12.6. Available at: http://www.ijcim.th.org/v14nSP1/pdf/p12.1-5-fin-38.pdf.

8. Dileep Kumar, G., K. Aruna Sai, **Sreenath Dixit** and V. Balaji 2006. Information And Communication Technology Mediated Open Distance learning Methods For Agricultural Extension: A Case Study From A Drought Prone Area of Rural South Asia. *American Society of Agricultural and Biological Engineers*. Pages:188.

9. Balaji, V., Shaik N. Mira and **Sreenath 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. *J SAT Agricultural Research* (e-journal). 4 (1). Available at: http://www.icrisat.org/journal/SpecialProject/sp9.pdf.

10. Sreenath Dixit and V. Balaji (2007). ICTs for 'Second Green Revolution' in Rainfed Agro-ecosystem: Issues and Strategies. Int. J. Extension Educ. Vol. 3:80-88.

11. Chander, G., S.P. Wani, K. Sahrawat, Sreenath Dixit, B. Venkateswarlu, C. Rajesh Rao and G. Pardhasaradhi 2014. Soil test-based nutrient balancing improved crop productivity and rural livelihoods: case study from rainfed semi-arid tropics in Andhra Pradesh, India. Archives of Agronomy and Soil Science 60(8):1051-66.

12. Prasad, Y.G., Ch. Srinivasarao, **Sreenath Dixit,** M. Maheswari, J.V.N.S. Prasad, B. Venkateswarlu and A.K. Sikka 2015. Evidences from farmer participatory technology demonstrations to combat increasing climate uncertainty in rainfed agriculture in India. *Procedia Environmental Sciences* 29: 291 – 292.

13. Chandre Gowda, M.J. and Sreenath Dixit. 2015. Influence of farmers' educational level on comprehending, acting-upon and sharing of agro advisories. J. Agriculture and Rural Dev. in the Tropics and Subtropics 116 (2): 167-172.

14. Chandre Gowda, M.J., Shrishail Dolli, M.V. Durga Prasad, D. Saravanan and Sreenath Dixit 2018. Pooled innovativeness and learning-pattern based adopter categorization. Rural Extension & Innovation Systems J. 2018 14(1):41-51.

15. Marella, T.K., A. Datta, M.D. Patil, Sreenath Dixit and A. Tiwari 2019. Biodiesel production through algal cultivation in urban wastewater using algal floway. Bioresource Technology 280, 222-228.

16. Gumma, M.K., P.S, Thenkabail, P.G. Teluguntla, A. Oliphant, J. Xiong, C. Giri, V. Pyla, Sreenath Dixit and A.M. Whitbread 2019. Agricultural cropland extent and areas of South Asia derived using Landsat satellite 30-m time-series big-data using random forest machine-learning algorithms on the Google Earth Engine cloud. GIScience and Remote Sensing. 57: 302-322. https://doi.org/10.1080/15481603.2019.1690780.

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Besides these, I have published over 100 articles on agriculture and related subjects in vernacular (Kannada) periodicals.