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Publications: http://works.bepress.com/sridhar_gutam/

Google Scholar: <https://scholar.google.co.in/citations?hl=en&user=6W1MSSwAAAAJ>

ImpactStory: <https://impactstory.org/u/0000-0001-5376-1565>

Date of Birth: 23-11-1973

PROFESSIONAL EXPERIENCE

- Research Guide, IARI-IIHR Bengaluru Hub (July 2024 - till date)
- Principal Scientist, ICAR-Indian Institute of Horticultural Research (ICAR-IIHR) , Bengaluru 560089 (9th May 2021 - till date)
- Faculty, IARI-IIHR Bengaluru Hub (June 2020 - till date)
- Senior Scientist, ICAR-Indian Institute of Horticultural Research, Bengaluru 560089 (April 2017 - May 2021)
- Senior Scientist, ICAR Research Complex for Eastern Region, Research Centre, Ranchi 834010 (May 2014 – April 2017)
- Senior Scientist, ICAR-Central Institute for Subtropical Horticulture, Lucknow 226101 (Dec. 2010 – May 2014)
- Scientist, ICAR-Indian Agricultural Research Institute (ICAR-IARI), New Delhi 110012 (Nov. 2009 – Dec. 2010)
- Scientist, ICAR-Directorate of Medicinal and Aromatic Plants Research, Anand 387310 (Jan. 2004 – Nov. 2009)

ACADEMIC QUALIFICATIONS

- Doctor of Philosophy (Plant Physiology). January 2004. Post Graduate School, Indian Agricultural Research Institute, New Delhi 110012. Thesis title: Studies on endogenous hormonal changes during grain development in wheat genotypes. OGPA: 2.9/4.0 (Sept. 1999 – Jan. 2004).
- Master of Science in Agriculture (Crop Physiology). August 1999. University of Agricultural Sciences, Dharwad 580005. Thesis title: Effect of growth regulators on physiological indices and reproductive efficiency in bell pepper cv. Tarihal local (*Capsicum annuum* L.). OGPA: 8.12/10.0 (Oct. 1997 – Aug. 1999).
- Bachelor of Science in Agriculture. July 1997. Acharya N.G. Ranga Agricultural University, Hyderabad 500030. OGPA: 7.16/10.0 (Dec. 1992 – July 1997).

OTHER CERTIFICATES/QUALIFICATIONS

- Certificate of completion of coursework: Copyright & Right to Research Seminar under Sean Fill-Flynn, Director Program on Information Justice & Intellectual Property. September 1 - 12, 2022.
- Certificate of Completion from Intel® AI Academy. AI from the data centre to the edge - An optimized path using Intel® Architecture. December 2, 2019.
- Swayam ARPIT online course certification. ICT for science and technology and engineering and mathematics education. Grade 'B'. Marks: 74/100. November 8, 2019.
- Swayam ARPIT online course certification. Development perspectives in agriculture. Grade 'A'. Marks: 69/125. November 8, 2019.

- Competency certificate issued by the Centre for Development of Technical Education, IIT Kanpur and Commonwealth of Learning, Canada for completing AgMOOCS on Resource Management in Rainfed Drylands. 6 May 2019. Verify at agmoocs.in/v/5cd94458ef262e4ac43b9057
- Participation certificate issued by the Centre for Development of Technical Education, IIT Kanpur and Commonwealth of Learning, Canada for completing AgMOOCS on Fundamentals of Agricultural Extension Participation. 28 May 2019. Verify at agmoocs.in/v/5ceeabd3ef262e1040533973
- MOOCs on Competency Enhancement for Effective Teaching. Nov 18 – Dec 22, 2016. NAARM, Hyderabad.
- Advanced Course on Biotechnology and Intellectual Property. WIPO Worldwide Academy. April 3 – June 12, 2008.
- Management Development Programme on Harnessing Intellectual Property for Strategic Competitive and Collaborative Advantage. Indian Institute of Management, Ahmedabad. March 10 – 12, 2008.
- Post Graduate Diploma in Patent Laws. September 2007. NALSAR University of Law, Hyderabad 500027. Grade 'A'; 59.5%. (March 2006 – April 2007).
- General Course on Intellectual Property. WIPO Worldwide Academy. November, 1 – 15, 2006.
- National Eligibility Test - Plant Physiology (Agricultural/Horticultural Crops). Indian Council for Agricultural Research, New Delhi. October, 2001.

FELLOWSHIPS/AWARDS

- ISPC CGIAR Early Career Scientist Grant for Exchange Visit to Bioversity International, Rome, 2014.
- IARI Senior Research Fellowship for PhD (Plant Physiology), 1999 – 2004.
- ICAR Junior Research Fellowship for M. Sc. Agri. (Plant Physiology), 1997 – 1999.

CURRENT PROJECTS

- **ICAR-Indian Institute of Horticultural Research**
 - o Development of nutrient management module for Guava under high density planting system
 - o Optimizing water and nutrient management (Papaya, Guava, Mango, Sapota, Annona and Grapes)
 - o Fruit based mixed cropping systems (Sapota)
 - o Studies on effect of cane, leaf and flower regulation on quality of colour grapes
 - o Physiological understanding and mitigation of irregular fruit shape and size in selected Jackfruit (*Artocarpus heterophyllus* Lam.) accessions
 - o Centre of Excellence - Kamalam (Dragonfruit)
 - o Investigating Grapevine Responses to Salinity Priming
 - o Kisan Sarathi

PAST PROJECTS

- **ICAR-All India Coordinated Research Project on Fruits**
 - o Assessing the effect of climatic variability on mango flowering and yield
 - o Assessment of phenology, productivity and incidence of insect pests and diseases in papaya grown under varying climatic conditions
 - o Assessment of phenology, productivity and incidence of insect pests and diseases in sapota grown under varying climatic conditions
 - o Development of statistical models for horticultural crops research
- **ICAR RCER RC Ranchi**
 - o Phenotyping solanaceous crops for abiotic stress tolerance traits.
 - o Phenological monitoring of selected horticultural fruit tree crops.

- Plant genetic resources and improvement of fruit and ornamental crops.
- Understanding the changes in host-pest interactions and dynamics in mango under climate change scenarios (NICRA/World Bank).
- **CISH, Lucknow**
 - Development of mango (*Mangifera indica* L.) based cropping systems for enhanced factor productivity.
 - Identification of rootstocks in mango (*Mangifera indica* L.) for abiotic stress tolerance.
 - Understanding the mechanism of flowering in mango (*Mangifera indica* L.).
- **IARI, New Delhi**
 - Wheat Bioinformatics Portal.
 - Bioinformatics Centre, Distributed Information Centre Program.
 - Consortium for e-Resources in Agriculture, IARI, New Delhi.
 - ICT applications in agricultural research and knowledge management.
- **DMAPR, Anand**
 - Breeding ashwaganda (*Withania somnifera*) for yield and quality.
 - Studies on gum tapping of guggal (*Commiphora wightii*) using biotic and abiotic inducers.

TEACHING (ICAR-IARI, New Delhi Off Campus at ICAR-IIHR, Bengaluru)

- Intellectual Property and Its Management in. Agriculture (1L+0P).
- Principles of Plant Physiology-I: Plant Water Relations And Mineral Nutrition (2L+1P)
- Principles of Plant Physiology-II: Metabolic Processes and Growth Regulation (2L+1P)
- Plant Phenomics – Next Generation Phenomics Platforms (2L+0P)
- Physiological And Molecular Aspects of Source-Sink Capacity For Enhancing Yield (3L+0P)
- Photosynthetic Processes, Crop Growth and Productivity and Concepts Of Crop Modelling (2L+1P)
- Doctoral Seminar I (1L+0P)

TEACHING (2009-2010, IARI, New Delhi)

- GP 607 – IPR and Regulatory Mechanism related to PGR (3L+0P).
- PP 205 – Plant Developmental Biology (3L+1P).
- PP 212 – Cell Physiology (2L+0P).
- SI 100 – Introduction to Informatics (2L+0P)

STUDENTS GUIDED (visiting students @ IARI, New Delhi)

- Karan Chhabra (2010). Computational analysis of biotic stress on cereal crops (wheat *Triticum aestivum* L. and rice *Oryza sativa* L). M.Sc. Thesis Submitted to Amity University.
- Ridhi Goel (2010). In-silico analysis of abiotic stresses on wheat (*Triticum aestivum* L.). M.Sc. Thesis Submitted to Amity University.

VISITS ABROAD

- Second Global Summit on Diamond Open Access 2024 - 2nd Global Summit on Diamond Open Access Centering social justice in scholarly communication to advance research as a public good. Cape Town, South Africa. December 8-14, 2024.
- Global Summit On Diamond Open Access. Toluca, Mexico. October 23 - 27, 2023.
- IDUAI 2018 - The Asian Digital Revolution: Transforming the Digital Divide into a Dividend through Universal Access. Colombo, Sri Lanka. September 28-29, 2018.
- OpenCon 2014 - the student and early career researcher conference on Open Access, Open Education, and Open Data. Washington DC. United States of America. November 15-17, 2014.

- Bioversity International, Rome, Italy for carrying out training and refinement of the proposed work on “Securing Food and Nutritional Security through Subtropical Fruits in India”. September 3-19, 2014.
- Regional Workshop on Youth and Agriculture: Challenges and Opportunities. Islamabad, Pakistan. October 23-24, 2013.
- Science Forum 2013. “Nutrition and Health outcomes: Targets for Agricultural Research”. Bonn, Germany. September 23-25, 2013.
- Global Conference on Agricultural Research for Development 2012 (GCARD2), Punta del Este, Uruguay. October 29 – November 1, 2012.
- International Expert Consultation on “Building the CIARD Framework for Data and Information Sharing”, Beijing, China. June 20-23, 2011.

CONFERENCE/ SEMINAR/ WORKSHOP/ SUMMER-WINTER SCHOOL/ REFRESHER COURSE PRESENTATIONS

- Sridhar Gutam (2025). Preprints for Showcasing Work in Progress. Webinar by Rising Scholars Team. May 2, 2025.
- Sridhar Gutam (2025). Open Access to Agricultural Knowledge. In webinar on Open Access to Agricultural Knowledge. Organised by MANAGE, Hyderabad. February 4, 2025.
- Sridhar Gutam (2024). Empowering Research Communities: Open Access as a Catalyst for a Sustainable Knowledge Society. In RUSA Sponsored Two Day National Conference on Open Access to Scholarly Information: Research & Academic Communities Role in Building a Sustainable Knowledge Society. September 20-21, 2024. Organised by Dr. BMN College of Home Science in collaboration with SHPT School of Library Science & Bharat Ratna Maharshi Karve, Knowledge Resource Centre, SNDT Women’s University, Mumbai. September 20-21 2024.
- Sridhar Gutam (2023). The role of Open Science before Exclusion: Science in Developing Countries and Indigenous Regions, Linguistic Diversity, and Ancestral Knowledge. *In* Global Summit On Diamond Open Access. Organised by Universidad Autónoma del Estado de México. Toluca, México. October 23 - 27, 2023.
- Sridhar Gutam (2023). The Power of Community-Driven Publishing for Inclusive, Transparent, and Impactful Scholarly Communication. (Session 3: Diamond Open Access). In OAI 13 - The Geneva Workshop on Innovations in Scholarly Communication. Virtually organised by CERN and University of Geneva. 4-8 September 2023.
- Sridhar Gutam (2023). Open Licensing to Scholarly Resources. Webinar organised by Indira Gandhi Institute of Development Research, Mumbai. February 15, 2023.
- Sridhar Gutam (2023). Open Access Systems in Agriculture. *In* Online National Seminar on Agricultural Information Services to Farmers. Organised by National Institute of Agricultural Extension Management (MANAGE), Hyderabad. 6-7, February 2023.
- Sridhar Gutam (2022). Open Access & Indexing services. *In* Two Days’ Workshop on ‘Increasing Research Visibility - Use of Reference Manager Tools and Software’s for Publishing in Scopus indexed journals’. RARS Lam, Tirupati and Anakapalle. Organized by Acharya N. G. Ranga Agricultural University, Lam, Guntur, Andhra Pradesh under Institutional Development Plan (IDP) Project of ANGRAU of NAHEP. 2-9, September 2022.
- Sridhar Gutam (2021). Building Structural Equity with Open Access. In webinar during Open Access Week 2021 organised by Department of Library and Information Science, Central University of Tamil Nadu, Thiruvavur. October, 30, 2021.
- Virtual Conference on Open Access. Prelude to ICDL 2019. September 25, 2019.
- Sridhar Gutam. (2018). Preprints and Impact Story. *In* ICAR Sponsored Short Course on ICTs for Improving Efficiency and Effectiveness in Agricultural Research, Education and Extension of NARES. ICAR-IIHR, Bengaluru. November 13-22, 2018.
- Gutam, Sridhar. 2018. Strengthening South-South Cooperation for Advancing Open Access in India & South Asia. *In* CLACSO’s Conference on "Struggles for Equality, Social Justice and Democracy in a Turbulent World", Buenos Aires, Argentina, 19-23 November

2018 (Session UNESCO session "Challenges for strengthening South-South cooperation in open access scholarly communications") Zenodo.
<http://doi.org/10.5281/zenodo.1964760>

- Sridhar Gutam. 2018. Open Access in India and the Way forward for South Asia. Workshop on 'Policies for digital scholarship (Issues with open access)'. In IDUAI 2018 - The Asian Digital Revolution: Transforming the Digital Divide into a Dividend through Universal Access. Colombo, Sri Lanka. September 28-29, 2018.
- Sridhar Gutam. 2018. Opening Up of Access to Publicly Funded Research in India: Status and Wayforward. In OpenCon 2018 Delhi satellite conference. Organised by Wikimedia India at Acharya Narendra Dev College, New Delhi. February 3, 2018.
- e-Forum on ICTs and Open Data in Agriculture and Nutrition. 18 June 2017 to 13 July 2017.
- Sridhar Gutam. 2017. Open Access in South Asia. In UNESCO-NDL India International workshop on Knowledge Engineering for Digital Library Design. Organised by UNESCO and NDL India at UNESCO Delhi. October 25-27, 2017.
- Sridhar Gutam. 2017. Open Access to Agricultural Sciences through Community Platforms. In National Workshop on Developing a Roadmap for Agricultural Knowledge Management in India. Organised by the Indian Council of Agricultural Research (ICAR) at the National Agricultural Science Complex (NASC), New Delhi. September 27-28, 2017.
- Leena Shah, Vrushali Dandawate and Sridhar Gutam. 2016. The Changing Landscape and Future of Open Access in India. In International Conference on Digital Libraries (ICDL) 2016 under the theme Smart Future: Knowledge Trends that will Change the World. Organised by The Energy and Resources Institute (TERI) at the India Habitat Centre, New Delhi. December 13-16, 2016.
- Sridhar Gutam. 2016. Next Green Revolution: This Time with Open Source Agrobiodiversity! In Conference: 5th National Convention and International Agricultural Conference. Krishibid Institution Bangladesh, Dhaka. September 29-30, 2016.
- Sridhar Gutam. 2016. Rice Fallow Divergence: Catalysing the Pulses Revolution in Jharkhand? In Conference: Pulses for Sustainable Agriculture and Human Health Organized by International Food Policy Research Institute (IFPRI), National Academy of Agricultural Sciences (NAAS), TCi of Cornell University (TCi-CU) and Indian Council of Food and Agriculture (ICFA). New Delhi. NASC Complex, Pusa New Delhi India. May 31, 2016 - to June 1, 2016.
- Sridhar Gutam. 2016. Phenology - The Study of Nature. Refresher Course in Life Sciences, UGC HRD Centre, Ranchi University. March 4-20, 2016.
- Sridhar Gutam. 2016. Open Access to Scholarly Communication for Maximizing Visibility and Impact. Refresher Course in Life Sciences, UGC HRD Centre, Ranchi University. March 4-20, 2016.
- Sridhar Gutam. 2016. Annual Review-cum-Workshop on Real Time Mango Pest Surveillance under the NICRA project organized at ICAR-Research Complex for Eastern Region, Ranchi. September 13-14, 2015.
- Sridhar Gutam. 2015. Agricultural Practices of Medicinal and Aromatic Plants. AICTE Sponsored Quality Improvement Program (QIP) 2015. Division of Pharm. Chemistry & Pharmacology, Birla Institute of Technology, Mesra (Ranchi). December 9 - 22, 2015.
- Sridhar Gutam. 2015. Abiotic Stress and Secondary Metabolites. AICTE Sponsored Quality Improvement Program (QIP) 2015. Division of Pharm. Chemistry & Pharmacology, Birla Institute of Technology, Mesra (Ranchi). December 9 - 22, 2015.
- Susmita Das, Lalitha Poluru and Sridhar Gutam. 2015. ETDs in Agriculture: Status and Way Forward with Case Studies from India and Bangladesh. ETD 2015: 18th International Symposium on Electronic Theses and Dissertations - "Evolving Genre of ETDs for Knowledge Discovery". Jawaharlal Nehru University (JNU), New Delhi. November 4-6, 2015.

- Sridhar Gutam. 2014. Efforts for Opening up of Access to Research Outputs in India. Invited talk on Open Access terrain in India. Ethiopia Room, FAO, Rome. 15th September, 2014.
- Sridhar Gutam 2013. Policy and institutional approaches for securing food and nutritional security through subtropical fruits. Science Forum 2013. Bonn, Germany. September 23-25, 2013.
- Gutam S, VK Singh and S Rajan. 2012. Strategy for Phenotyping Physiological Traits in Mango (*Mangifera indica* L.) for the development of Abiotic Stress Tolerant Varieties. In National Seminar of Plant Physiology on 'Physiological and Molecular Approach for Development of Climate Resilient Crops'. ANGRAU Hyderabad. December 12-14, 2012.
- Gutam S. 2012. Agricultural Repositories in India: A Survey. In OR2012, the 7th International Conference on Open Repositories, Edinburg, UK July 9-13, 2012.
- Sridhar Gutam 2012. agINFRA session at the International Conference on Trends in Knowledge and Information Dynamics (ICTK2012). NIMHANS Convention Centre, Bangalore, India, 11 July 2012.
- Gutam S. 2012. Krishiprabha 2.0 – Next Version of an Open Access National Agricultural Thesis and Dissertations Repository of India. ETD2012, 15th International Symposium on Electronic Theses and Dissertations, Lima, Peru. September 12-14, 2012.
- Gutam S. 2012. Opening access to Agricultural Information. In International Conference on Statistics and Informatics in Agricultural Research. IASRI, New Delhi, 18-20, December, 2012.
- Sridhar Gutam, V K. Singh, and Shailendra Rajan. "Strategy for Phenotyping Physiological Traits in Mango (*Mangifera indica* L.) for the development of Abiotic Stress Tolerant Varieties". National Seminar of Plant Physiology on "Physiological and Molecular Approach for Development of Climate Resilient Crops". ANGR Agricultural University, Hyderabad. Dec. 2012.
- Ravishankar H, Singh VK and Gutam S. 2012. Evaluation of salinity stress tolerance in mango (*Mangifera indica* L.) genetic resources - Way forward. In 2nd National seminar on 'management of salt affected soils and waters" challenges of the 21st century' CSSRI RRS, Lucknow. March 16-17, 2012.
- Ravishankar H, Singh VK and Gutam S. 2012. Phenotyping stress tolerance traits in mango (*Mangifera indica* L.). In 2nd National seminar on 'Management of salt affected soils and waters" challenges of the 21st century' CSSRI RRS, Lucknow. Mar. 16-17, 2012.
- Gutam S, Singh VK, and Ravishankar H. 2011. Salt tolerant rootstocks for increasing quality production of mango (*Mangifera indica* L.). In Swadesh Prem Jagriti Sangosthi 2011. Dehradun, Uttarakhand.
- Gutam S. 2011. Information and Data Sharing in NARS. International Expert Consultation on "Building the CIARD Framework for Data and Information Sharing". Jointly organised by GFAR, CAAS and FAO. Beijing, China. June 20-23, 2011.
- Gutam S. 2011. Open Access: India's NARS Marching Ahead. Berlin9 Open Access Conference - The Impact of Open Access in Research and Scholarship, Washington, DC. November 9-10, 2011.
- Singh VK, Kumar K, Adak T, Gutam S, and Singh AK. 2011. Chlorophyll fluorescence for the diagnosis of salt stress in mango (*Mangifera indica* L.). In Global Conference on Augmenting Production and Utilization of Mango: Biotic and Abiotic Stresses. Lucknow, Uttar Pradesh. June 21-24, 2011.
- Gutam S. 2010. Access to Open Source Software and Databases in Biology. In: National Training Programme on Bioinformatics in Crop Improvement, NBPGR, New Delhi. Oct. 19-25, 2010.
- Gutam S. 2010. Demonstration of OAJMAP, an Open Access Journal of MAPAI, In Workgroup meeting of e-Granth. USI, IARI, New Delhi. Aug. 27, 2010.
- Devakumar C and Gutam S. 2010. Scope of Webometrics in Agricultural Research and Education. In National Conference on Knowledge Management in the Globalized Era.

Organised by the Association of Agricultural Librarians and Documentalists of India. 21-23, April, 2010. New Delhi.

- Gutam S and Chandrasekharan H. 2009. Eprints@IARI, an Open Access Institutional Repository of IARI. *In* Sensitization workshop of E-Publishing and Knowledge System in Agricultural Research Project. 14th November, 2009. NASC Complex, New Delhi. Organised by DIPA, ICAR.
- Gutam S, Mishra AK, Pandey PS and Chandrasekharan H. 2009. Open Access in Agricultural Research. *In* International Consultation on Agricultural Research for Development and Innovation: Addressing emerging challenges and exploiting opportunities. 7 – 11 December 2009, Hyderabad, India. Jointly organized by GFAR, FAO, CGIAR (ICRISAT) and APAARI.
- Gutam S, Mishra AK, Pandey PS and Chandrasekharan H. 2009. e-Resources in Agriculture for NARS. *In* International Consultation on Agricultural Research for Development and Innovation: Addressing emerging challenges and exploiting opportunities. 7-11 December 2009, Hyderabad, India. Jointly organized by GFAR, FAO, CGIAR (ICRISAT) and APAARI.
- Gutam S. 2009. Effect of plant population density on growth and development of guggal and its oleo-gum-resin production. *In* National Conference on the theme "Frontiers in Plant Physiology towards Sustainable Agriculture " organized by Assam Agricultural University, Jorhat and Indian Society for Plant Physiology. Jorhat, Assam. 5-7 November, 2009.
- Gutam S. 2009. Open Access and Science Quality. *In* Consultation on Enhancing Open Access in Indian Agriculture: Prospects, Opportunities, Advantages and Challenges. 6-7 September, 2009. ICRISAT, Hyderabad.
- Abraham T, Vaidya N, Kumar, Gutam S, and Guttikonda A. 2009. Open access journal publishing in the agricultural sciences. PKP Scholarly Publishing Conference 2009.
- Gutam S, Vipin Chaudhary and Manivel P. 2009. Variability for physiological parameters and field resistance to hada beetle in ashwagandha germplasm. *In* Golden Jubilee Conference on Challenges and Emerging Strategies for Improving Plant Productivity. Central Institute of Medicinal and Aromatic Plants, Resource Centre, Bangalore. June 26, 2009.
- Aneeta G and Gutam S. 2008. Prospects of open access to Indian agricultural Research: A case study of ICAR. *In* 8th Indian Science Communication Congress on 'Media Convergence and Knowledge Revolution'. Tamil Nadu Science and Technology Centre, Science City, Chennai. 10-14 December 2008.

PEER REVIEWED ARTICLES

- Tandon Gitanjali, Lalitha Poluru, Sridhar Gutam, AK Mishra, PS Pandey, H Chandrasekharan. 2013. Availability and Accessibility of Research Outputs in NARS: A case study with IARI. *Scholarly and Research Communication*, 4(2): 020156, 11 pp. **DOI:** <https://doi.org/10.22230/src.2013v4n2a86> (ISSN: 1923-0702)
- Gutam S. 2011. Dry matter partitioning, grain filling and grain yield in wheat genotypes. *Communications in Biometry and Crop Science*. Vol. 6(2): 48–63.
- Saravanan R, Mandal K, Gutam S, Samanta JN, Sarojkumar V. 2010. Influence of downy mildew disease on photosynthetic parameters of Isabgol. *Indian Journal of Plant Physiology*. Vol. 15(4): 399-403.
- Gutam S Aneeta G Mishra AK Pandey PS and Chandrasekharan H. 2010. Open Access: Making Science Research Accessible. *Economic and Political Weekly*. Vol. 45(47): 19-22.
- Gutam S, Mishra AK, Pandey PS, Chandrasekharan H, and Aneeta G. 2010. Need of open access repositories for NARS in India. *Current Science*. Vol. 98(12): 1564-1566.
- Aneeta G and Gutam S. 2009. Prospects of open access to Indian Agricultural Research: A case study of ICAR. *First Monday*. Vol. 14(7).

- Gutam S, Koti RV, Chetti, MB and Hiremath SM. 2009. Effect of different concentrations of naphthalene acetic acid and mepiquat chloride on physiological components of yield in bell pepper Tarihah local (*Capsicum annuum* L.). Journal of Agricultural Research. Vol. 47(1): 53-61.
- Gutam S, Nath V and Srivastava GC. 2008. Endogenous hormonal content during grain development in wheat. Bangladesh Journal of Agricultural Research. Vol. 33(3): 493-502.
- Gutam S, Nath V, Srivastava GC and Kumari S. 2005. Carbohydrate accumulation in developing grains of wheat genotypes. Indian Journal of Plant Physiology. Vol. 10(2): 199-201.

BOOK CHAPTERS

- Leena Shah, Vrushali Dandawate and Sridhar Gutam. 2016. The Changing Landscape and Future of Open Access in India. In Conference Papers of the International Conference on Digital Libraries (ICDL) 2016: Smart Future: Knowledge Trends that will Change the World. Edited by Shantanu Ganguly, P K Bhattacharya, Projes Roy, Pallavi Shukla and N Deepa. TERI Press, New Delhi. ISBN: 9788179936535.
- Bhavana P. and Sridhar Gutam and 2016. Physiological Aspects of Crop Production under Limited Water Supply. In Approaches to Improve Agricultural Water Productivity. Editors: AK Singh, Santosh S Mali, Bikash Das, P Bhavana, PR Kumar, Bikash Sarkar, BP Bhatt. Publisher: Satish Serial Publishing House. ISBN: 9789385055805.
- Samar I. Bakshi and Sridhar Gutam. 2013. Scholarly Communication through Social Networks: A Study. In Digital Libraries: Social Media and Community Networks. Ed. Shalini R. Urs, Jin-Cheon Na, George Buchanan. Bangalore: Springer, 2013. 178-179.
- Singh VK, Ravishankar, H and Gutam S. 2012. Physiological attributes in mango (*Mangifera indica* L.) are impacted by different CO₂ and temperature fluxes under Lucknow conditions. In Adaptation and Mitigation Strategies for Climate Change Resilient Horticulture. Ed. K.S. Shivashankara, Prakash Patil, G. Selvakumar, V. Sridhar. Director, Indian Institute of Horticultural Research, 2012.
- Das M, Saravanan R and Gutam S. 2009. Physiology and Secondary Metabolism of Medicinal Plants. Souvenir, National Conference on Frontiers in Plant Physiology towards Sustainable Agriculture. Organised by Assam Agricultural University and Indian Society for Plant Physiology, Jorhat, Assam. 5-7 November, 2009. pp. 66-68.
- Das M, Saravanan R and Gutam S. 2008. Medicinal Plants: Physiology and Secondary Metabolism. In Souvenir, Golden Jubilee Conference on Challenges and Emerging Strategies for Improving Plant Productivity. IARI and ISPP, New Delhi. pp. 88-93.
- Maiti S, Gutam S and Geetha KA. 2008. Medicinal and Aromatic Plants. In: S. Kannaiyan, V.A. Parthasarathy and D. Prasath eds. Intellectual Property Rights in Horticulture. New Delhi: Associated Publishing Company. 277-296.
- Gutam S and Das M. 2009. Making Indian Journal of Plant Physiology into an open access journal: for increased readership and impact. In Souvenir, National Conference on Frontiers in Plant Physiology towards Sustainable Agriculture. Organized by Assam Agricultural University and Indian Society for Plant Physiology, Jorhat, Assam. 5-7 November, 2009. pp. 66-68.

BOOKS

- Gutam S. 2010. Endogenous Hormonal Changes in Grain Development. VDM Verlag Dr. Müller, Germany. ISBN 978-3639267297.
- Sridhar Gutam. 2014. Sharing Your Work in Open Access. Open Access India.

OTHER PUBLICATIONS

- Gutam, S. (2017, November 7). Open in Order to Achieve Food and Nutritional Security. <http://doi.org/10.17605/OSF.IO/QB2E9>

- Gutam, S. (2017, November 12). Effect of growth regulators on physiological indices and reproductive efficiency in bell pepper CV tarihal local. <http://doi.org/10.17605/OSF.IO/MN7V8>
- Guttikonda, A., & Gutam, S. (2017, October 7). A Survey of ICAR and NARS Websites for Web Technologies. <http://doi.org/10.17605/OSF.IO/3KY2E>
- Gutam, S., & Ponnuchamy, M. (2017, August 29). Indian ginseng growth study during 2007 and 2008. <http://doi.org/10.17605/OSF.IO/SHJTW>
- Gutam, S. (2017, August 29). Scholarly Societies in the National Agricultural Research System of India. <http://doi.org/10.17605/OSF.IO/JB2D7>
- Gutam, S. (2017, May 12). Community Field Gene Banks: A Way Forward for Achieving Zero Hunger?. <http://doi.org/10.17605/OSF.IO/6HRZD>
- Sridhar Gutam. 2013. Has Quinoa Opened Up Wider Opportunities for Young Farmers? Farmletters. Vol. 17: 17-18.
- Sridhar Gutam and Jyotsna Kaur Habibullah. 2013. Contract Farming: High Potential Profits for Women in Uttar Pradesh, India. Farmletters. Vol. 19: 34-37.
- Gutam S. 2009. India needs legislation for accessing publicly funded research. SSV News and Views. 7(1): 26-33.
- Gutam S., Chandrasekharan H and Devakumar C. 2009. Open Access: Relevance to the National Agricultural Research System. Agribioinformatics, 2(1).

DETAILS OF OTHER TRAININGS / CONFERENCES/ WORKSHOPS ATTENDED

- One Day Webinar on 'Integrated Data Analysis of Genomics to Proteomics'. Organised by Department of Research and Innovation, Institute of Electronics and Communication Engineering, SIMATS School of Engineering, SIMATS, Thandalam, Chennai. 6 June, 2022.
- Online Workshop on Life Science meets Programming - A three days hands-on workshop. Organised by the Bioinformatics Centre, ICAR- Indian Institute of Spices Research, Kozhikode. 13-15 September 2022
- Workshop on Data Management (KRISHI). ICAR-IASRI, New Delhi. 15-16, February 2019.
- GODAN Action Online Course on Open Data Management in Agriculture and Nutrition. 9th April - 4th May, 2018.
- Fifth Group Discussion of ICAR-All India Coordinated Research Project on Fruits. Organised by ICAR-AICRP on Fruits, hosted by ICAR-IIHR, Bengaluru at ICAR-NRC for Banana, Tiruchirapalli, Tamil Nadu. February 15-18, 2018.
- National Workshop on Developing a Roadmap for Agricultural Knowledge Management in India. Organised by the Indian Council of Agricultural Research (ICAR) at the National Agricultural Science Complex (NASC), New Delhi. September 27-28, 2017.
- Open DataCamp - Bangalore - 2017. Organised by DataMeet, Bengaluru at Google, RMZ Infinity Tower E, Benniganahalli, Bengaluru. April 22, 2017.
- Training on Social Media, WCA 2014. Feb 8-9, 2014.
- Workshop on Water Use and Water Use Efficiency. Department of Crop Physiology, UAS, GKVK, Bangalore. December 2-4, 2013.
- International Multi-stakeholder experts' meeting on Development of Curriculum and Self-Directed Learning Materials for Open Access, New Delhi. Organized by Commonwealth Educational Media Centre for Asia. September 4-6, 2013.
- ICAR Short Course on 'Rootstocks in a Resilient Horticulture Production System'. Indian Institute of Horticultural Research, Hessaraghatta, Bangalore. August 19-28, 2013.
- Training on Social Media and Social Reporting, GCARD2, Punta del Este, Uruguay. October 27-28, 2012.
- National Seminar of Plant Physiology on "Physiological and Molecular Approach for Development of Climate Resilient Crops". ANGRAU Hyderabad. December 12-14, 2012.
- National Workshop on Frugal Innovations for Sustainable Solutions in Fisheries and Agricultural Sectors. NBFGR, Lucknow. 24th March 2012.

- National seminar on 'Management of salt affected soils and waters" challenges of the 21st century' CSSRI RRS, Lucknow. March 16 – 17, 2012.
- Phenotyping and molecular breeding for improving drought adaptive traits in crops. University of Agricultural Sciences, GKVK, Bangalore. Feb. 13-22, 2012.
- Nutrio-Hormonal Dynamics and Photosynthetic Efficiency in Crop Plants under Abiotic Stress. Tamil Nadu Agriculture University, Coimbatore. Nov. 9-18, 2011.
- AGROVOC Management, Applications, and Use of VocBench for AGROVOC Managers and Editors from the South and Southeast Asian Region organized by FAO and ICRISAT, Hyderabad. 12-14, October, 2011.
- Hands on Training on Drupal. New Delhi. March 9-12, 2010.
- Workshop on Networking and Web-Hosting. Hyderabad. February 2-3, 2010.
- Managing Agricultural Innovations in an Era of globalization. Division of Agricultural Economics, Indian Agricultural Research Institute, New Delhi. October 25-30, 2010.
- E-Content 2010: National Seminar Series on Library – Publisher partnership. New Delhi. August 6, 2010.
- International Conference on World Wide Web: technology, Standards and internationalization. New Delhi, May 6-7, 2010.
- National Conference on Free Software, Bangalore. March 20-21, 2010.
- National Workshop on ICT initiatives of the NAIP with special reference to the Uniformity Guidelines for ICAR websites. New Delhi. March 19, 2010.
- International Consultation on Agricultural Research for Development and Innovation: Addressing emerging challenges and exploiting opportunities. Hyderabad. 7-11, December 2009.
- Consultation on Enhancing Open Access in Indian Agriculture: Prospects, Opportunities, Advantages and Challenges. Hyderabad. 6-7 September, 2009.
- Sensitization workshop of E-Publishing and Knowledge System in Agricultural Research Project. New Delhi. 14th November, 2009.
- 8th Indian Science Communication Congress on 'Media Convergence and Knowledge Revolution', Chennai. 10-14 December 2008.
- Golden Jubilee Conference on Challenges and Emerging Strategies for Improving Plant Productivity. New Delhi. November 12-14, 2008.
- National Convention of Free Software. University of Hyderabad. March 3-4, 2007.
- International Seminar on Intellectual Property Education and Research. Hyderabad. November 16-17, 2006.
- Winter School on Implications of WTO Agreements on Indian Agriculture. Hyderabad. October 4-24, 2005.

INITIATIVES/ACCOMPLISHMENTS

- AgriXiv.org - preprints repository for agriculture as a community initiative of Open Access India.
- Efforts were made to create an online repository for scholarly publications from researchers at CISH and ICAR RCER institutes that do not currently have an Institutional Repository in OpenDepot.org, an Open Access repository available for researchers worldwide.
- Open Access India, a social network of the scholar's community.
- Establishment of Eprints@IARI: An open access institutional repository of IARI. IARI, New Delhi, 2010.
- Formation of Medicinal and Aromatic Plants Association of India. DMAPR, Anand, 2009.
- Launch of the 'Open Access Journal of Medicinal and Aromatic Plants' using Open Journal Systems.
- Translation of 'Open Definition' into Telugu language.
- Venue Technology Assistant, XIX Commonwealth Games, Delhi 2010, India.

- Successfully organised the OpenCon2015 Kolkata and OpenCon 2016 Ranchi, OpenCon 2017 Ranchi satellite events.

HONOURS/MEMBERSHIPS/RECOGNITIONS

- Administrator, Open Access forum, AIMS (FAO of UN).
- Ambassador, eLife
- Ambassador, Open Knowledge Foundation – India.
- Ambassador, DOAJ
- Associate Editor, DOAJ
- Associate Fellow, Free Software Foundation of India.
- Best Paper (Second Prize) at 18th International Symposium on Electronic Theses and Dissertations, New Delhi.
- Best Paper at 8th Indian Science Communication Congress, Chennai.
- Best Poster (First Prize) at International Conference on Digital Libraries (ICDL) 2016
- Contributor, Australian Science, an online science blog.
- Convener, Database & Information Committee, 5th International Nitrogen Conference, New Delhi.
- Convenor, Open Access India
- Country Representative, YPARD (2013).
- Executive Member, IARI Alumni Association, New Delhi (2005-07).
- Global Member, Internet Society – India Chapter, Chennai.
- Founder Secretary, Medicinal and Aromatic Plants Association of India.
- Invited to deliver Guest Lectures in AICTE Sponsored Quality Improvement Program (QIP) 2015. Division of Pharm. Chemistry & Pharmacology, Birla Institute of Technology, Mesra (Ranchi). December 09 to 22, 2015.
- Invited as panellist for the Parallel session 15 - Open Access Policies for the Inclusion of Persons with Disabilities. Role of ICT's for Persons with Disabilities International conference. 24-26, November, 2014.
- Invited as a resource person for the UGC-HRD Centre, Ranchi University' Refresher Course in Life Sciences held during 4-20 March 2016.
- Invited as a resource person for the UGC-HRD Centre, Ranchi University' Refresher Course in Research Methodology held during 8-28 July, 2016.
- Joint Secretary, Central Executive Committee, Agricultural Research Service Scientists Forum (ARSSF), New Delhi (2008-11).
- Keynote address on 'Role of E-Resources in Scientific Communication' at GGSDS College, Chandigarh. February 20, 2013.
- Life Member, Indian Science Congress Association (L30904).
- Life Member, Indian Society for Plant Physiology.
- Life Member, Medicinal and Aromatic Plants Association of India.
- Life Member, National Academy of Biological Sciences.
- Life Member, Society for Development of Subtropical Horticulture.
- Life Member, Society for Promotion of Horticulture.
- Member, Editorial Board, AgriBioinformatics Newsletter, New Delhi (2009-10).
- Member, Editorial Board, WikiJournal of Science
- Journal Manager, Journal of Horticultural Sciences
- Member, Free Software Initiatives, New Delhi.
- Member, FORCE11, a community of scholars, librarians, archivists, publishers and research funders.
- Member, International Association for the Study of the Commons.
- Member, International Association for Promoting Geoethics.
- Member, International Consortium for Agricultural Systems Applications.
- Member, International Scientific Programme Committee, SciDataCon 2014.
- Member, International Urban Forest Data Standards Committee (June 2009).

- Member, Open Access Week Advisory Committee (2015).
- Member, Programme Committee, National Conference on Emerging Trends & Techniques for Electronic Resource Management in Libraries (2015).
- Member, Society for Scientific Values (2009).
- Member, Scientific Committee, ICOA2016-International Conference on Open Access: Open Access to scientific publications: Between use and preservation of digital memory.
- Member, Scientific Committee, ICOA2014-International Conference on Open Access: "Open access and scientific research, Tunisia (2014).
- Member, Social Media Team, GCARD2, 2012, Uruguay.
- Member, Social Media Team, World Congress on Agroforestry 2014, New Delhi.
- Member, Society for Scientific Values.
- Member, Steering Committee, Thesis Commons.
- Member, UNESCO's Open Access (OA) Curriculum Design Committee (2014).
- Member, WHO Influenza Vaccine Patent Landscape Project Team (2010).
- Member, World Association of Young Scientists.
- Member, CODATA Connect – Early Career and Alumni Network (2021)
- Member, CODATA CODATA Agricultural Task Group (2021)
- Pro bono intellectual property volunteer, PIIP Advisors, Washington D.C.
- Plantae Fellow, American Society of Plant Biologists (ASPB), 2017.
- Invited Panelist for Panel Discussion on 'Open Access in Practice-How?' at OKFestival 2012, Finland.
- Working Group Member, Open Science, Open Knowledge Foundation.

OTHER AREAS OF INTEREST

- Agriculture Information Metadata Standards.
- Application of Free/Open Source Software in Agriculture.
- Development of Indian Publishers Copyright Policies Database.
- Development of Institutional Repositories in the National Agricultural Research System.
- Informatics: Biodiversity, Bioinformatics, Scholarship & Patents.
- Open Access (Research Data and Information).
- Open Source Seeds and other Planting Materials.
- Unique identifiers for researchers in the National Agricultural Research System.
- Preprints servers for Agriculture.

Social Media Accounts

- Facebook <https://www.facebook.com/sgutam>
- Twitter <https://twitter.com/SridharGutam>
- LinkedIn <https://www.linkedin.com/in/sridhargutam>
- Wordpress <https://sgutam.wordpress.com/>