

Credentials of the Founding Members of SAFOAM

Dr. Mannava Sivakumar

Founding Editor-in-Chief, Weather and Climate Extremes (Elsevier)



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PROFESSIONAL EXPERIENCE: About 40 years of international experience in Agroclimatology, having served for 20 years in the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) and for 20 years in the World Meteorological Organisation (WMO) as the Chief of Agricultural Meteorology and as the Director of the Climate Prediction and Adaptation Branch and as the Senior Consultant in WMO, World Bank and UNESCO. Having visited 150 countries around the world, contributed significantly for the establishment of Agromet Advisory Services in several countries.

ACADEMIC HONORS & AWARDS

- Young Scientist Award and the Science Academy Medal from the Indian National Science Academy of India in 1983. Fertilizer Association of India Award in 1985 for the best paper published in 1984-85.
- Elected as a Fellow of several international scientific societies including the National Academy of Agricultural Sciences of India; National Environmental Science Academy of India; the Indian Meteorological Society; the American Society of Agronomy; the Royal Academy of Overseas Sciences of Belgium; the Academy of Geogofili of Italy and the Association for the Advancement of Biodiversity Science.
- The 2007 International Service in Agronomy Award from the American Society of Agronomy; the Bharat Jyoti Award from the India International Friendship Society in 2012; and the Lifetime Achievement Award from the Association for the Advancement of Biodiversity Sciences in 2015.
- The Indo Pacific - John Dalton Excellence Award in Agricultural Meteorology in 2020.

PUBLICATIONS: Over 300 publications, including 54 books and 87 articles in various international journals.

RESEARCH INTEREST: Agricultural Climatology, Climate Change, Weather and Climate Extremes, Sustainable Agriculture.

EDUCATION: Ph.D (Agricultural Climatology) from Iowa State University, USA.

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Dr. L. S. Rathore

Former Director General, India Meteorological Department (IMD), and International Consultant, The World Bank



lrathore@gmail.com

PROFESSIONAL EXPERIENCE

Dr. Laxman Singh Rathore is former Director General of Meteorology, India Meteorological Department (IMD), Ministry of Earth Sciences. He served various international bodies such as; Chair, Inter-governmental Board for Climate Services (IBCS), WMO, United Nations (UN); Vice-Chair of IBCS, WMO; Permanent Representative (Ambassador) of India with the World Meteorological Organization (WMO), United Nations; Member, Executive council WMO, UN; Vice President, Commission for Agriculture Meteorology, WMO; Chairman, Governing Council, SAARC Meteorological Research Centre, Dhaka; Scientific Member, 3rd Indian Scientific Expedition to Antarctica and established the first permanent Indian station

ACADEMIC HONORS & AWARDS

Dr Rathore has been bestowed with many national & international recognitions and accolades for his outstanding contribution in the field of meteorology and its application to agriculture, disaster management including Appreciations of WMO. He is also recipient of Rajasthan Science Congress Award; Sohrab Godrez award for science & technology, by Rotary Club; Honorary Professor by Amity University, Jaipur; Vigyan Ratna by Vigyan Parishad Prayag; DD Kisan Samman by Doordarshan; Maharana Mewar Award; Marwar Ratna Award; Rajbhasha Shri Puraskar, and ICHL Award, beside other awards.

PUBLICATIONS:

He has published more than 100 research papers, wrote 11 books and 41 book chapters and participated in. He has co-supervised 5 Ph.D. students from reputed institution such as Indian Institute of Technology, Delhi; Guru Jambheshwar University, Hisar; Andhra University, Vishakhapatnam and Banares Hindu University, Varanasi.

RESEARCH INTEREST

He made significant contribution towards improving the weather & climate prediction, particularly extreme weather events. He played a lead role in development of Agro-meteorological Advisory Service in India.

EDUCATION:

Dr Rathore completed his Masters and doctoral degrees in Agriculture (Soil Science) from Rajasthan College of Agriculture, [Udaipur](#).

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Dr. Orivaldo Brunini

President Foundation for Support Agricultural Research -(FUNDAG)
Coordinator Integrated Center for Agrometeorological Information – (CIIAGRO)



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PROFESSIONAL EXPERIENCE: More than 40 years of international experience on Agrometeorology, Agroclimatology, Soil Water Plant Relationships, having served as Senior Researcher at Agronomic Institute – Campinas (IAC–São Paulo State Government). Former General Director-Agronomic Institute- Visiting professor at University of São Paulo and UNICAMP- at Graduate level - Coordinator of CIIAGRO and have contributed for the establishment of Agrometeorology Service in the State-Former Vice President (2018-2020) CAgM, and member of the Standing Committee on Agriculture Services – WMO.

ACADEMIC HONORS & AWARDS

- Award for the best Agrometeorology research from UNESP at undergraduate course.
- Former Secretary of the Brazilian Agrometeorology society and Former President of the Brazilian Maize and Sorghum Association.
- Award of the Agronomy Engineer Association in 2015, Civil Defence Medal from São Paulo State Government 2014.
- Founding Member of INSAM - SAFOAM and Brazilian Agrometeorology Society.

PUBLICATIONS: Over 260 publications, considering scientific articles, reviews and technical bulletins including 8 chapters on books.

RESEARCH INTEREST: Agrometeorology, Agroclimatology, Plant Physiology, Climate Change, Soil Water Plant Relationships.

EDUCATION: MSc – Nuclear Energy applied to Agriculture – PhD – Agrometeorology from University of Guelph - Canada.

Prof. U.C. Mohanty

Indian Institute of Technology, Bhubaneswar, India



ucmohanty@gmail.com

PROFESSIONAL EXPERIENCE

About 48 years of teaching and research experience in Atmospheric Sciences & Climate Sciences at IIT Delhi and IIT Bhubaneswar. About 50 International visits to leading institutions like ECMWF, NCAR, NCEP, FSU, NCSU, NRL, Purdue University, UNU etc. for collaborative R&D work and scientific interaction.

ACADEMIC HONORS & AWARDS

- Shanti Swarup Bhatnagar Prize
- National Award in Atmospheric Science & Technology
- Biju Patnaik Award for Scientific Excellence
- Fellow, Indian National Science Academy (FNA)
- Fellow, Indian Academy of Sciences (FASc)
- Fellow, National Academy of Sciences, India (FNASc)
- Fellow, Indian National Academy of Engineering (FNAE)
- Odisha Citizen Award
- Sir Gilbert Walker Gold Medal
- Many More

PUBLICATIONS; Total 237 (International 151, National 87)

RESEARCH INTEREST: Tropical Meteorology, Numerical Weather Prediction, Monsoon Dynamics, Regional Climate Studies and Meso-scale Modelling

EDUCATION: PhD 1978 Tropical Meteorology, Odessa Hydro-Meteorological Institute, USSR

Dr. M C Varshneya

Member, Advisory Council. South Asia Forum on Agricultural Meteorology (SAFOAM)



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PROFESSIONAL EXPERIENCE

About 54 years' experience in Education, Research, Extension & in Administration of Universities in Agriculture and Veterinary Science. Worked as Founder Vice Chancellor, Anand Agricultural University, Anand and Kamdhenu University, Gandhinagar, Gujarat, Worked as Chairman, Vice Chancellors selection Committee, Tamilnadu Veterinary and Animal Science University, Chennai, Rajmata Vijaya Raje Scindhia, University of Agriculture, Gwalior, Dr. Babasaheb Ambedkar Open University, Ahmedabad. Member, Selection Committee for selection of Chairman, National Dairy Development Board, Vice Chancellor, M S University, Vadodara Gujarat. Member, National Committee for review of Indian Council of Agriculture Research New Delhi, Member, General Body, ICAR and Governing Council, ICAR, New Delhi. Worked as Governors Nominee on Maharashtra Agricultural Universities Recruitment Board, MCAER, Pune. Chairman RAC, NBSS & LUP, Nagpur, MGIFRI, Motihari, Bihar, Chairman, Western Zone National Innovation on Climate Resilient Agriculture, Worked as President, Association of Agro-Meteorologist, Anand, President, Indian, Agricultural Universities Association, New Delhi. Visited USA, Italy, Thailand, South Africa and Nepal. Worked as Chairman, Peer Review Team of Dr Baba Saheb, Sawant University of Agriculture, Dapoli, MS. Established Centre of Advanced Studies in Agricultural Meteorology, Pune under MPKV, Rahuri. And Agromet Advisory Services in India

ACADEMIC HONORS & AWARDS

- Bronze Medal, in 2009, for the e-krishikiran program by the Ministry of Administrative Reforms and Ministry of Information Technology, Govt. of India, New Delhi.
- Sipani Krishi Anusandhan Farm Award, 2009, for Best research paper Conferred by Asian Agri-History Foundation Secunderabad (India) for the paper entitled "Forecasting and Validation of Rainfall for Barshi in Maharashtra Based on Astro-meteorological Principle of Rainfall Conception".
- Best research article award, in 2006, by Journal of Maharashtra Agricultural Universities, Pune.
- Best presentation award, in 2001, on "Impact Analysis of Agro-advisory" by National Centre for Medium Range Weather Forecasting, Department of Science and Technology, New Delhi.
- Certificate of Appreciation as Director, CAS in Agricultural Meteorology in 1999, by the Indian Council of Agricultural Research New Delhi.
- FAO Fellowship, 1988, Food and Agricultural Organization, Rome.
- Agra University Merit Scholarship 1962-63.
- Agra University Books Grants (Scholarship) 1961-62.

• PUBLICATIONS: Published Research Papers 87, Reports 48. General Articles 16 and books 13.

RESEARCH INTEREST: Micrometeorology, Crop Modelling, Climate Change.

EDUCATION: M.Sc. (Physics), Hon. PhD, Hon. FAAM (Agricultural Meteorology)

Dr. Md. Abdul Mueyed

Founding Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



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PROFESSIONAL EXPERIENCE:

More than 33 years of accumulated professional work experience in the Department of Agriculture Extension (DAE) under the Ministry of Agriculture, Salient areas were crop production, agroforestry, agriculture technology transfer, agriculture market development, rural economic development (income and food security), social mobilization & people's participation, socio-economic survey & census activities, public-private partnership, participatory program planning, implementation, monitoring and evaluation, safe vegetables and fruit production using integrated pest management technology, preparation of agro-met bulletin as convener of the advisory committee, crop damage assessment after disaster and preparation, implementation of the rehabilitation program. Participated in many international seminars, symposiums, pieces of training in Denmark, USA, UK, South Korea, Japan, Cambodia, Indonesia, Thailand, Malaysia, India, Sri Lanka, Nepal, Jordan, and so on focusing on Climate-Smart Agriculture, Food Safety & Security, Agricultural Meteorology and Agricultural Mechanization.

ACADEMIC HONORS & AWARDS i) Achieved "National Science and Technology (NST) Fellowship" given by the Ministry of National Science and Technology (NST), Bangladesh. ii) Achieved "DANIDA Fellowship" given by DANIDA, Denmark. iii) Achieved British Council INSPIRE project fellowship for Ph.D. research.

PUBLICATIONS: Published about 15 research papers and periodicals in different journals.

RESEARCH INTEREST: Climate Change, Climate Smart Agriculture, Integrated Pests Management, Decision Support System to Farmers.

EDUCATION:

- **Ph.D. in Environmental Science**, Bangladesh Agricultural University, Mymensingh (2015) with research collaboration of Bangor University, Wales, UK.
- **MS in Environmental Science**, Bangladesh Agricultural University, Mymensingh (2007).
- **B Sc. (Hons.) in Agriculture**, Bangladesh Agricultural University, Mymensingh (1983).

Dr. Y.S.Ramakrishna

Former Director, ICAR- CRIDA



ramakrishna.ys@gmail.com

PROFESSIONAL EXPERIENCE

About 50 years of experience in Agroclimatology and Rainfed Agriculture, having served for 23 years in the Central Arid Zone research Institute, Jodhpur, India (1971-1994) as Climatologist, and Head, Division of Wind Power and Solar Energy and Head Resource Management and in the Central research Institute for Dryland Agriculture (CRIDA) for 14 years during 1994-2008 as Project Coordinator of the All India Coordinated Research Project on Agrometeorology (1994-2003) and as Director of CRIDA (2003-2008). Conducted an International Symposium on 'AGROMETEOROLOGY and FOOD SECURITY' at CRIDA during February 18-21 February, 2008. Post-retirement, I served as Dr. EAH Roberts 'Centenary Chair' on NRM, under Tea Research Association, at Tocklai Tea Research Institute, Jorhat India during 2012-2015 and also as an Advisory Committee member of the National Disaster Management Authority (NDMA) Government of India during 2016-2020. Contributed significantly for the development of Agrometeorology research and Agro advisory services in India

ACADEMIC HONORS & AWARDS

ICAR Gold Medal for Team Work 1983-84 awarded by ICAR in 1986

Felicitation for outstanding contributions in Agrometeorology by Society on 'Land use/Land cover Management' (CLUMA) in 2003

Team Award for Asia (as Consortium partner of ICRISAT) Doreen Margaret Mashler Award (as associate to ICRISAT)) in 2004

President, Association of Agrometeorologists of India (2004-2009) and President, Indian society of Dryland Agriculture Research (2005-2008)

ICRISAT's Regional Partnership Award to CRIDA for adopting Integrating Genetic and NRM (IGNRM) holistically in India in 2005; Outstanding Science Partnership Award by ICRISAT in 2007; Honour for outstanding Life Time Contributions in Dryland Agriculture by Indian Society for Dryland Agriculture in 2010

PUBLICATIONS:: Over 244 publications, including 52 book chapters and 37 articles in various international journals and 87 in national journals

RESEARCH INTEREST Agricultural Meteorology, Climate Change, Weather impacts on agriculture, Sustainable Rainfed Agriculture.

EDUCATION:

MSc (Tech) Meteorology & Oceanography and Ph.D. (Agricultural Meteorology) from Andhra University, India

Dr V. Uma Maheswara Rao

Former Project Coordinator (Agricultural Meteorology) (ICAR-CRIDA)



vumrao54@gmail.com

PROFESSIONAL EXPERIENCE

40 years of experience with Ph D in field of Agrometeorology. Worked in the field of Agrometeorology encompassing teaching, research, extension and administration at various capacities viz., Project Coordinator, Principal Scientist, Prof & Head cum Sr. Agrometeorologist, Sr. Agrometeorologist, Agro meteorologist, and Assistant. Scientist, at CCS Haryana Agricultural University and Indian Council of Agriculture Research in India.

Life member of Indian Meteorological Society, The Arid Zone Research Association of India, Indian Society of Remote Sensing, Association of Agrometeorologists, International Society for Agrometeorology, and The Indian Society of Dryland Agriculture. Organized several trainings/workshops in Agrometeorology at the International and National level.

ACADEMIC HONORS & AWARDS

1. Choudary Devi Lal best AICRPAM award
2. Fellow of Association of Agrometeorologists (FAAM) 2011
3. SAP Recognition Award 2012 by Society of Agricultural Professionals
4. CSIR award for Ph.D
5. CSIR award for PDRF (1982)
6. President, Association of Agrometeorologists (2015-2017)
7. Vice President, Association of Agrometeorologists (2001-03 & 2010-12)
8. Member, Indian Delegation, WMO, Geneva, Switzerland (25-27 Oct, 2012)
9. Member of XI plan High Power Review Committee of Ministry of Earth Sciences, Government of India (2012)
10. Expert Committee Member for implementation of Hail Control System in state of Himachal Pradesh constituted by MoA, Government of India (2012)
11. Member of the CCI-ET-IIC, WMO, Geneva (2014-2017)

PUBLICATIONS:

Published Research Papers 195, Popular articles, Manuals/Teaching aids 19, Research bulletins/Book chapters 130

EDUCATION:

Ph D and Post Doctoral Research Fellow in Agrometeorology. Post-Graduate Diploma in Applied Statistics

Dr. Nabansu Chattopadhyay

Convener, South Asia Forum on Agricultural Meteorology (SAFOAM)



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PROFESSIONAL EXPERIENCE: About 32 years' experience in operational Agromet Advisory Services & Research in Agricultural Meteorology. Worked with the Commission of Agricultural Meteorology, World Meteorological Organisation & World Bank. About 20 International visits including World Meteorological Organisation, Climatic Research Unit, UK, Centre for Applied Climate Sciences, University of Southern Queensland, Australia. Contributed significantly in establishment of Agromet Advisory Services in Bangladesh, Bhutan including India.

ACADEMIC HONORS & AWARDS

- Best poster presentation in the 89th session of the Indian Science Congress, in 2000.
- Best paper Award in "National Symposium at Regional Agricultural Research Station, Patambi, Kerala Agricultural University in 2002.
- Best Employee Award in the Department on the occasion of in the celebration of 80 Years of India Meteorological Department (IMD), Pune in 2008.
- Ministry of Earth Science Government of India Award for Meritorious Service in the field of Atmospheric Sciences & Technology in 2008
- Best paper Award for paper in the workshop on Meteorological Satellite Kalpana: A Decade Service to the Nation in 2012.
- Award for the best poster presentation in INTROMET in 2013

PUBLICATIONS: Published more than 100 research papers in peer reviewed reputed National and International journals.

RESEARCH INTEREST: Agricultural Meteorology, Climate Change, Remote Sensing, Agricultural drought, Extreme Weather

EDUCATION: M.Sc. (Agricultural Chemistry & Soil Science) and Ph.D (Agricultural Chemistry & Soil Science).

Dr. V.Geethalakshmi

Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



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EDUCATION:

Ph.D in Agronomy with Specialization in Agricultural Meteorology

PROFESSIONAL EXPERIENCE: About 30 years' experience in Agricultural Meteorology Research with special focus on Agromet Advisory Services & climate change impact assessment and development of adaptation options in agriculture sector. Working in Tamil Nadu Agricultural University and the Director for Crop Management Directorate. About 25 International visits including World Meteorological Organisation, Geneva; NIBIO, Norway; University of Southern Queensland, Australia; Bureau of Meteorology and Research Centre, Australia; New York University, Australia. Contributed significantly in establishment of Post Doctoral Degree in Agricultural Meteorology in TNAU.

ACADEMIC HONORS & AWARDS

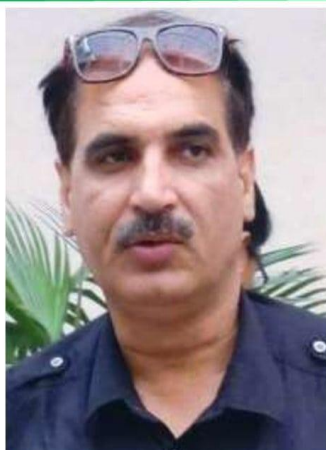
- Won Dr. V. Vidhyasagar Award for M.Sc – Best thesis (1989).
- Tamil Nadu Best Young Women Scientist award (2003), Science City, Government of Tamil Nadu
- DST National award for Women's development through the application of science and technology (2008),
- Sakthi award, by Puthiya Thalaimurai media under Knowledge category (2015)
- Award and Gold medal, TNAU for her services in Doubling the Farmers income (2021)
- Best Scientist award for four times in TNAU (2002, 2010, 2017 and 2019)
- Scientist of Excellence in Nitche Area Award, TNAU in the field of Agricultural Meteorology (2019)
- Harit Kranti Award – 2020, All India Agricultural Students' Association, New Delhi for her excellence in agricultural research.
- Fellow of Agricultural Scientific Tamil Society - 2020

PUBLICATIONS: Published more than 120 research papers in peer reviewed reputed National and International journals.

RESEARCH INTEREST: Agricultural Meteorology, Climate Change, Remote Sensing, Agricultural drought, Extreme Weather

Prof (Dr) Surender Singh

Founding Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



surendersd@yahoo.com

PROFESSIONAL EXPERIENCE: About 30 years experience in Operational Agrometeorology, Farm Advisory Services & Research in Agricultural Meteorology at CCS Haryana Agricultural University, Hisar, India. Currently working as Principal Scientist / Senior Professor (Agricultural Meteorology), Working with the Commission for Weather, Climate, Water and Related Environmental Services and Applications (SERCOM) of World Meteorological Organisation. About 20 International visits including IAC-CIIAGRO, Campinas, Brazil; AS ICTP, Trieste, Italy; BOKU-Met, Vienna, Austria; ETH, Zurich and WMO, Geneva, Switzerland. Contributed significantly in establishment of Agromet Advisory Services in early 1990s at SAUs level in India.

ACADEMIC HONORS, AWARDS & RESPONSIBILITIES

- Managing Editor, Journal of Agrometeorology, January, 2021 onwards.
- Expert Member, Commission on Agricultural Meteorology (CAgM), WMO; 2018-2022.
- Chairman, Association of Agrometeorologists-Hisar Chapter, 2021-2023.
- Dr VD Kashyap Gold Medal for Best Research Work (2001-02) in PhD.
- Ms Manju Utreja Memorial Gold Medal for Best Dissertation (2001-02) of PhD.
- Gold Medal in Inter-Varsity Handball Championship as University Captain-1988.
- Felicitation during AGMET-2009 for Commendable Contribution in the field of Agrometeorology at Hisar.
- Honored for academic contribution in 'Encyclopedia of Haryana' by Governor of Haryana (2010).
- Best Paper Award published in 'Journal of Agrometeorology' Vol 11 (2), December. 2009.
- Best Presentation Award during AGMET-2011 at BCKV, Kalyani, India.
- Best Paper Award during INAGMET-2019 at JNU, New Delhi, India.

PUBLICATIONS: Published more than 80 research papers in peer reviewed reputed National and International journals/periodicals.

RESEARCH INTEREST: Operational Agrometeorology, Regional Climate Change and Monsoon Dynamics, Agricultural Drought, Fog Dynamics, Air Quality Concerns in Agriculture

EDUCATION: BSc (Hons) Agri, MSc(Agricultural Meteorology) and PhD(Agricultural Meteorology).

Dr. G.G.S.N.Rao

Former Project Coordinator (Agricultural Meteorology) (ICAR-CRIDA)



ggsnrao@gmail.com

RESEARCH INTEREST

Agro climatological methods for crop planning, Climate change impacts on crop production, Development of research projects, Extension meteorology

EDUCATION M Sc (Tech) in Meteorology & oceanography .Ph d in Meteorology from Andhra University, Visakhapatnam,, Certificate course in Land resources management from Australia and P.G. Certificate in GIS Applications in Agriculture from AIT, Bangkok

PROFESSIONAL EXPERIENCE

Dr. G.G.S.N.Rao has served over a period of 35 years (1975-2010) in various Research Institutions of ICAR, in the Discipline of Agrometeorology. He retired from the service during August 2010 as project coordinator of AICRP On Agrometeorology located CRIDA, Hyderabad. In addition to the Coordinated project work, he was working as the PI of the Climate Change Project at CRIDA, Hyderabad under Net Work Project On Climate Change (NPCC) of ICAR during the period 2005-2010. He was also a Principal Investigator in other important Research projects sponsored by ICAR, DST and ICRISAT operated at CRIDA viz: 1) National Facility of Agro met Databank at CRIDA” 2),“Utilization of Agro climatic Information for Agro Advisories”.3)“Geo Referenced Resource Inventories of Rain fed Rice Ecosystem,4) Near Real Time Monitoring Weather for improved weather based agro advisories, 4) “Vulnerability to Climate Change: Adaptation Strategies and Layers of Resilience” etc, during the period 1998-2010. After Superannuation from the services, he had worked in a project on “Utilization Scientific Expertise of Retired Scientists” sponsored by DST from November 2010 to December 2012 and wrote a book on “Droughts, impacts, assessment, vulnerability, monitoring and their management on agricultural production”. From 2013 to 2019 worked Senior consultant at National Collateral Management Limited, Hyderabad in developing Research programs in Agro-meteorological and Climate Change related topics and monitoring AWS network systems. During 2015-16 worked as a consultant for a short period of 3 months in a project on” Design of Agriculture Management Information System for Nepal “operated by Grant Thornton India LLP of Hyderabad. Evaluated number of research project reports and proposals of ICAR, DST and etc., related to various topics. He was an examiner to number thesis submitted by students for their Master and Doctoral degrees of various universities. He was the Organizing Secretary for an International Symposium on “Agrometeorology and food security” held during February 2008 at Hyderabad. Guest speaker at many meetings organized by various professional societies and chaired many technical sessions in National and International seminars and Symposia.From 2020 On wards he is working as expert member in different ICAR Research institutes spread across the country.

ACADEMIC HONORS & AWARDS

- He was elected as General Secretary and Vice president of Retired ICAR Employees Association, Hyderabad from 2011 -2015 and 2018-to date
- He was elected as vice president for CRIDA Pensioners Association, Hyderabad
- Member of Quinquennial Review Team (QRT) of NIASM ,Baramathi and Research Advisory Committee (RAC) Member of IJWM, ,Bhubaneswar ICAR both ICAR institutes

PUBLICATIONS:

More than 100 Research publications in reputed national and international journals and author two books

Dr. Mrinmoy Datta

Founding Member, SAFOAM



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mdatta54@gmail.com

PROFESSIONAL EXPERIENCE

After getting selected in Agricultural Research Service conducted by ICAR, I had acquired 38 years of Research Experience in Agri and Allied Activities while working in Indian Council of Agricultural Research in North East India and Administrative Experience in running Agri Research Modules effectively could also be obtained. After superannuation from the post of Joint Director, ICAR Research Complex, Tripura, I had got the assignment of the post of OSD and Principal, College of Agriculture, Tripura Central University and possessed experience in Agri Education, Research, Extension and Administration. I had given Guidance of M.Sc (Ag) student in College of Agriculture and Technology, Kanpur, Co-Guide in PhD in Fisheries in CIFE (Mumbai), Co-Guide in Agronomy at Palli Shiksha Niketan, Biswabharati, Santiniketan. I was involved in Agro-Advisory Services to Farmers from 1995 to 2015 (20 years) through Publication of Agro Bulletins, SMS service, Radio and Television Programme and direct contact with the farmers through enlightening them in the use of Agro-Met advisory services in North East Hill regions. Besides Agro-meteorological Services, I was involved in research works in the domain of Soil Health Improvement, Soil Mineralogy, Agro forestry, Distribution of Soil Health Cards among farmers, Livelihood Enhancement programme, Watershed Development, Programme on Increasing the food legumes production at Morocco, Crop Improvement, Horticulture, NRM, Animal Reproduction, Poultry Production, Mushroom Production, Fisheries, National Innovations in Climate Resilient Agriculture (NICRA) and Tribal Sub Plan through various Research Projects funded by ICAR, ICARDA, DBT, NATP, NAIP, Bill Gates Foundation, NABARD, National Rainfed Authority etc.

AWARD/RECOGNITION:

Fellow of Indian Association of Hill Farming (FIAHF), D.N. Borthakur Award for outstanding Contribution in Farming System Research, Bharat Excellence Award by Friendship Forum of India and Best poster award in International Seminar on Agro-Meteorology. Contributed as a Member/Chairman of various committee in Agri-Allied Activities of ICAR and North East India.

EDUCATION:

B.Sc (Hons) in 1972, M.Sc (Ag) in 1974 and Ph.D (Ag) in Soil Science & Agricultural Chemistry in 1989 from the University of Calcutta.

PUBLICATIONS

Published 85 Research Papers, Delivered 4 Lead Talk, 16 Book/ Research Bulletin, 23 Book Chapter, 45 Abstract /Conference paper, 14 Popular article, 15 Extension Leaflet.

Dr. Md. Shah Kamal Khan

Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



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PROFESSIONAL EXPERIENCE: I have more than 23 years working experience in agriculture, agro-meteorology, food and nutrition sector in Bangladesh and abroad. I have long experiences on dissemination of different technologies such as, agro-meteorological information, climate smart agriculture, climate change adaptation & mitigation, sustainable agronomic & horticultural crop production, crop protection, Integrated Pest Management (IPM), Integrated Crop Management (ICM), Integrated Farm Management (IFM), soil fertility & soil health, varietal introduction, homestead gardening, food & nutrition security, safe food, farm mechanization etc. I have remarkable skill and experiences to produce agrometeorological advisories like Special Bulletin, National Bulletin, District Bulletin and Messages based on meteorological and hydrological information. I have huge expertise to disseminate agrometeorological advisories/messages to the farmers and different stakeholders through BAMIS (Bangladesh Agrometeorological Information Systems) web portal (www.bamis.gov.bd), BAMIS Mobile Application, Short Messages (SMS), Interactive Voice Response (IVR), Email, Facebook, Training, Workshop/Seminar, Mass Media (TV, Radio, Newspaper etc.), Information, Education & Communication (IEC) Materials, Group Discussion/Meeting, Miking etc.

ACADEMIC HONORS & AWARDS

- i) I obtained "National Science and Technology (NST) Fellowship" given by the Ministry of National Science and Technology (NST), Bangladesh and a research work had been conducted.
- ii) I obtained "DANIDA Fellowship" given by DANIDA, Denmark.
- iii) I obtained "Award of President/Prime Minister's Scholarship" given by the Government of Pakistan.
- iv) I obtained "NFP Fellowship" given by the Government of Netherlands.
- v) I achieved "Best Performance Award" provided by SNV Netherlands Development Organisation for my amazing contribution and for setting a great example in the Organisation.

PUBLICATIONS: Published 16 research papers in peer reviewed reputed National and International journals.
RESEARCH INTEREST: Agricultural Meteorology, Climate Change, Effect of weather parameters on crop growth & development, pest & disease infestation.

EDUCATION: B.Sc in Agriculture, M.S. in Agronomy and Ph.D in Biological Science.

Dr Santanu Kumar Bal

Country representative-INDIA,
South Asia Forum on Agricultural Meteorology (SAFOAM)



Principal Scientist
(Agrometeorology)

santanu.bal@icar.gov.in
www.cropweatheroutlook.in

EDUCATION
M.Sc. & Ph.D.
(Agricultural Meteorology)

PROFESSIONAL EXPERIENCE:

About 22 years' experience in teaching & research in Agricultural Meteorology. Previously worked with Punjab Agricultural University, Ludhiana and ICAR-National Institute of Abiotic Stress Management (NIASM), Baramati. At present, leading the co-ordinated agrometeorological research program of Indian Council of Agricultural Research (ICAR), India. Got trained on "Database Management in Meteorology & Hydrology" in Israel and "Science Administration and Research Management" by Administrative Staff College of India. Contributed significantly in establishing School of Atmospheric Stress Management at ICAR-NIASM and developed course contents of undergraduate and postgraduate courses of Agricultural Meteorology at Punjab Agricultural University. Presently, into establishing crop weather relationships and agroclimatic characterization in various agroecosystems for linking into operational agro-advisory services. Contributed significantly for developing algorithms for weather-based decision support systems, crop analogues, weather-based crop insurance products, crop-weather-insect pest-thumb rules etc.

ACADEMIC HONORS & AWARDS

- Fellow, Association of Agrometeorologists, Anand
- Fellow, Indian Ecological Society, Ludhiana
- MASHAV Fellowship, Israel
- Academic Editor, PLOS Climate
- Managing Editor, Journal of Agrometeorology (formerly)
- Vice President, Association of Agrometeorologists, Anand, India
- Member, Academic Council & Board of Studies, CoA, Punjab Agricultural University, India (formerly)
- 08 best oral/poster presentation awards

PUBLICATIONS: Published more than 71 research papers (18 in high impact factor international journals), 22 books/ book chapters; more than 30 technical bulletins/reports etc.

RESEARCH INTEREST: Agricultural Meteorology, Agro-climatic characterization, Climate Change, Crop Simulation Models, Agromet Advisory Service

Dr. Nachiketa Acharya

Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



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PROFESSIONAL EXPERIENCE: He is a statistical climatologist with specialties in statistical and machine learning modeling in climate science, especially sub-seasonal to seasonal (S2S) climate forecasting. About 12 years of experience in operational S2S forecasting and its application in agriculture. Currently, working as an Assistant Research Professor at the Department of Meteorology and Atmospheric Science, Pennsylvania State University, USA. He is actively engaged in several Regional Climate Outlook Forum by WMO as an expert and trainer of S2S forecast and verification. He is co-leading the Building Block-3 (Prediction with a focus on the seasonal to decadal timescales) of Regional Information for Society (RifS), WWRP-WCRP, WMO.

ACADEMIC AWARDS & MEMBERSHIPS

- Received Gold medal for best poster presentation in INTROMET in 2013.
- Awarded Travel grant from National Science Foundation, USA in 2015 and 2016.
- Member of American Geophysical Union, American Meteorological Society, Asia Oceania Geosciences Society, The New York Academy of Sciences, Indian Meteorological Society.

PUBLICATIONS: Published more than 35 research papers in peer reviewed international journals with about 600 citation till date.

RESEARCH INTEREST: Sub-seasonal to Seasonal Predictions., multi-model Ensemble, Statistical Downscaling, Bias Corrections, Model Output Statistics, Probabilistic Prediction.

EDUCATION: M.Sc. (Statistics) and Ph.D. (Statistics, dissertation "Statistical Techniques for Monthly to Seasonal scale rainfall prediction over India using results from General Circulation Models").

Shib Nandan Prasad Shah

Founding Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



snpsah@gmail.com

PROFESSIONAL EXPERIENCE: About 25 years of experience in Agricultural Statistics, technologies dissemination on agriculture in government sector. Out of nearly 7 years of experience in operational Agromet Advisory Services to farmers. I had also work experienced with Agriculture Statistics, GIS/RS activities, as a Principal Investigator in Asian Food Agriculture Cooperation Initiatives (AFACI), Agriculture Technology Information Network in Asia (ATIN), Korea, Research Assistant in FAO Nepal, Resource person in Climate change & Agriculture, STATA Programmer, Consultant in Nepal Human Development Report, Poverty and Inequality estimation. About 15 international visit, training and paper presentation in USA, Singapore, Switzerland, China, Kazakhstan, Kyrgyzstan, Philippines, Sri Lanka, Thailand, Australia on different platform. Contributed significantly in establishment of ICT based Agromet Advisory Services in Nepal from 2013 AD.

ACADEMIC HONORS & AWARDS

- Nepal Civil Service Appreciation Reward in 2017 for the outstanding performance in service delivery of Government.
- Most Outstanding Award for exemplary performance in the Project “Establishment of Agriculture Technology Information Network in Asia” under the Extension Program of AFACI during the year 2015. Rural Development Administration, Korea.
- Outstanding Award for exemplary performance in the Project “Establishment of Agriculture Technology Information Network in Asia” under the Extension Program of AFACI during the year 2016. Rural Development Administration, Korea.
- Presentator on the Role of ICT for Climate Smart and Sustainable Agriculture in Nepal, April 23, 2015, InterMET Asia, Singapore.
- Presentator on the ICT based Agro-Advisory Service in Nepal, Central Asia Water Forum & Expo, September 19-22, 2016 Almaty, Kazakhstan.
- Presentator on the ICT based Agro-Advisory Service in Nepal, South Asia Hydromet Services Forum, Pathways for Regional Collaboration, September 18-20, 2018 Geneva, Switzerland.

PUBLICATIONS: Published Research Article Papers 4 in general National and International journals.

RESEARCH INTEREST: Climate Change, Statistics, Agriculture, GIS/RS

EDUCATION: M.Sc. Statistics (Agriculture).

Dr. Samsul Huda

School of Science, Western Sydney University, Australia



Email:
s.huda@westernsydney.edu.au

PROFESSIONAL EXPERIENCE: Over 40 years of international experience in Agroclimatology and Modelling: Western Sydney University (continuing), South Australia Department of Primary Industries, Queensland Department of Primary Industries, University of California –Davis, the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) and G.B Pant University of Agriculture and Technology, India. Having worked with colleagues from many countries around the world in particular Asia-Pacific countries, contributed significantly for the establishment of climate-related research and capacity building promoting food/water/environment security, climate/crop/soil/water/nutrient/disease risk management.

ACADEMIC HONORS & AWARDS

- Honorary Fellow of the Association of Agrometeorologists
- Elected as Fellow of the American Society of Agronomy
- National Scholarship for Study Abroad awarded by Government of India
- Indian Council of Agricultural Research Fellowship

PUBLICATIONS: Over 290 publications

RESEARCH INTEREST: Passionate in engaging with communities, governments and other stakeholders to address local and regional natural resources. Currently as Adjunct Associate Professor working as i) Lead Principal Investigator for a large project on “Enhancing vegetable production and quality in greenhouse and open field conditions in Qatar” ii) Member of a large ongoing international project “Family Farming, Lifestyle and Health in the Pacific (FALAH)”. iii) Leading a new initiative on “Livelihood improvement through space-based remote sensing” building on recently successfully completed project on climate-smart agriculture between Australia and India.

EDUCATION: Ph.D (Agronomy), University of Missouri-Columbia, USA. M. Sc (Ag) Soil Science, G.B. Pant University of Agriculture and Technology, India. B.Sc (Ag) Honours, Visva-Bharati, Santiniketan, India

Najibullah Osmani

Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



Najibullah.osmani10@gmail.com

PROFESSIONAL EXPERIENCE: About 4 years' experience of being head of GIS and Argument Advisory Services for Ministry Agriculture irrigation and livestock (MAIL) Afghanistan which is still in progress. Worked with the DCRBC as GIS assistant for 2 years.

ACADEMIC HONORS & AWARDS

- From 30 June- 04 July 2018 attend Training in Development of National Land Cover Monitoring System for Afghanistan Organized by ICIMOD, MAIL
- From 21 July- 31 July 2018 attend Training in GIS& Remote sensing Application for Water Resource Management in Afghanistan Organized by ICIMOD, MAIL.
- Attend Workshop in Agriculture Geospatial Data Standards Consultative Workshop at 8th July- 2018 Organized by FAO, MAIL.
- From 2 Dec – 15 Dec 2018 attend Training on Collect Earth for Land Cover and Change Assessment Of Afghanistan Organized by ICIMOD, MAIL at Kathmandu city of Nepal.
- From 15 April – 21 April 2019 attend training in synthetic aperture Radar (SAR) Organized by ICIMOD , MAIL at NEW Delhi , India
- From 28 July _2 Aug. 2019 Attend training On SAARC Regional Training on Earth Observation and Climate Data Analysis for Agriculture Drought Monitoring in South Asia Islamabad , Pakistan

PUBLICATIONS:

RESEARCH INTEREST: Agricultural Meteorology, Climate Change, Remote Sensing, Agricultural drought.

EDUCATION: In 2014 Got Bachelor Degree in Geo-Science from Kabul University Afghanistan

Dr. Vyas Pandey

Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



pandey04@yahoo.com

EDUCATION:

M.Sc. Geophysics (Meteorology)
Ph.D Meteorology (Agricultural Meteorology)

PROFESSIONAL EXPERIENCE: About 38 years' experience in Agricultural Meteorology Teaching and Research with special focus on agroclimatic resource characterisation, crop water requirement, crop modelling & climate change impact assessment. Superannuated as Professor and Head of Department of Agricultural Meteorology at AAU Anand Gujarat. Worked as Emeritus Scientists (ICAR) for three years. Guided students of Agricultural Meteorology for their MSc and PhD degrees. Monitored 22 Research projects funded by ICAR/DST/ISRO/MoES/IIT etc. Worked as Expert committee member in ICAR/ASRB/UGC/UPSC/WMO and SAUs for various academic related works. Founding member secretary of Association of Agrometeorologists (AAM) and Managing Editor of Journal of Agrometeorology for 20 years (1999-2019) and presently holding the post President of AAM.

ACADEMIC HONORS & AWARDS

- Award for National Merit Scholarship by Govt. of India (1969).
- CSIR Award of Junior Research Fellowship (1976)
- Bronze Medal for Soil Health Card programme by Govt of India under e-governance programme (2009),
- Sipani Krishi Anusandhan Farm Best paper Award by Asian History Foundation, Hyderabad (2009)
- "EDGE 2011" for e-Krishikaran programme by InformationWeek (2011)
- Dr S Venkataraman Best Paper Award on Abiotic Stress Management by AAM (2012)
- Instituted various awards like Best MSc/PhD thesis is Agrometeorology, best paper awards by AAM

PUBLICATIONS: Published more than 175 research papers in peer reviewed reputed National and International journals, four books, 20 book chapters and several technical bulleting and reports. Organised 20 seminars/ symposium/workshops/training programmes

RESEARCH INTEREST: Agricultural Meteorology, Climate Change, Crop modelling, Agroclimatic resource characterisation, Crop water requirement

Gondi Srilakshmi Harivara Prasada Rao (G.S.L.H.V. Prasada Rao), Founding Member, SAFOAM



gslhvprao@gmail.com

PROFESSIONAL EXPERIENCE

More than four decades of experience in Education, Research and Extension services in the field of Agricultural Meteorology and Climate Change Risk Management. Visited abroad viz., Nairobi, Ecuador, Perth and Kathmandu. Personal visits to Netherlands, France, Germany and Switzerland. Established Academy of Climate Change Education and Research in Kerala Agricultural University, renamed as College of Climate Change and Environmental Science, offering B.Sc (Hons.) in Climate Change and Environmental Science. It is unique in South Asia. Agromet Trainer – Short Term Assignment in a World Bank Aided Project, Department of Hydrology and Meteorology (DHM), Govt. of Nepal, Kathmandu, Nepal. International Agrometeorologist - Short Term Assignment in a World Bank Aided Project, Ministry of Agriculture, Land Management and Cooperatives (MoALMC), Govt. of Nepal, Kathmandu, Nepal. Consultant Professor in Climate Change and Animal Agriculture, Kerala Veterinary and Animal Sciences University (KVASU). Introduced postgraduate courses in Climate Change and Animal Agriculture at “Centre for Animal Adaptation to Climate Change and Environmental Studies”, KVASU.

ACADEMIC HONORS & AWARDS

Certificate of Appreciation from KAU for obtaining Externally Aided Projects in Agrometeorology

PUBLICATIONS:

More than 100 papers including popular articles with eight books in the field of water balance, climatology, Agricultural Meteorology including livestock meteorology and climate change

ICAR Best Centre Award for the three consecutive years 2006, 2007 and 2008 in the field of Agrometeorology among the 25 Centres of the All India Coordinated Research Project on Agrometeorology (ICAR)

Best Presentation Award for the paper entitled “Climate Change and Food Security in India” at International Conference on Food Security through Agriculture and allied Sciences, held at Tribhuvan University, Kathmandu, Nepal

Award of Honour in Agrometeorology at International Conference on Food Security through Agriculture and allied Sciences, held at Tribhuvan University, Kathmandu, Nepal

First Best Poster Presentation Award in Economic Impact of Agromet Advisory Services at International Conference on Agrometeorology and Food Security, held at CRIDA (ICAR), Hyderabad.

EDUCATION:

B.Sc. Physics
M.Sc. Meteorology
Ph.D. in Agroclimatology

RESEARCH INTEREST

Agrometeorology of rice and maize
Agrometeorology of plantation crops (coconut, cocoa, cashew, coffee, cardamom, black pepper, areca nut, tea and rubber)
Application of Hopkins Bioclimatic Law in fruit crops (mango and cashew)

Dr. Raji Reddy Danda Founding Member, SAFOAM



dandareddy009@gmail.com

PROFESSIONAL EXPERIENCE

About 36 years of teaching, research and extension and administrative experience as Director, Agroclimate Research Centre, Director of Research and Director of Extension, PJTSAU and Director of Extension, ANGRAU. Presently Working as World Bank consultant for Afghanistan Agromet Services project to establish Agromet Advisory System to help farmers to mitigate climate-related production risk. Visited 10 countries and areas of research interest are Climate Change and its impact on Agriculture, water resources, drought monitoring and impact assessment, Crop simulation modelling (DSSAT, APSIM, Info Crop and WOFOST), integrated application of crop simulation modelling, Remote sensing and GIS for crop planning, yield forecasting in Agriculture and to improve resource use efficiency, Climate risk management in Agriculture, development of ecofriendly and profitable Crops and cropping systems.

ACADEMIC HONORS & AWARDS

- Jawaharlal Nehru Memorial fund award for securing First rank at University level in M. Sc (Ag).
- Janna Reddy Venkat Reddy memorial prize in 2003 by Farmers Welfare Trust, Hyderabad
- Meritorious Research Scientist Award in 2001 by ANGR Agril. University
- International recognition for scientific and technical relationship between India and Australia Research institutes in 2011 by University of Southern Queensland, Australia.
- Received three best presentation awards and one best poster award in various national and International workshops.
- Visiting Scientist, IFDC, Muscle Shoals, Alabama, USA.
- International recognition for excellent research, demonstration work and solid Leadership in 2012 by IRI, Earth Institute, Columbia University, New York, USA.
- International recognition for Best Integrated Agromet Advisory Services in 2012 by CCAFS, Group of CGIAR.
- International recognition for excellent research, demonstration work by CSIRO as international Centre of Excellence, in 2013 by CSIRO-ACIAR, Australia.
- At the international workshop organized by CCAFS at Dakar, Senegal, Africa in 2012, the process of preparing and disseminating Agromet advisories by ACRC, ANGRAU was very much appreciated and selected among the six states studied, ACRC, ANGRAU, A.P. as the flagship case.
- Seeds men Association annual award 2015.

EDUCATION:

Ph.D. in Agrometeorology, Gujarat Agricultural University, Anand, Gujarat, India, 1992, M. Sc. in Agronomy, Panjabrao Krishi Vidyapeeth, Akola, Maharashtra, India, 1982, B. Sc. in Agriculture, Panjabrao Krishi Vidyapeeth, Akola, Maharashtra, India, 1977

Published 130 research papers/extended abstracts, out of which 58 in reputed National and International Journals, 35 in proceedings of conferences, 3 book chapters, 3 policy briefs, 30 paper presentations in seminars/symposia in the fields of weather forecast, yield forecast, remote sensing, crop modeling, etc.

PUBLICATIONS:

Published 130 research papers/extended abstracts, out of which 58 in reputed National and International Journals, 35 in proceedings of conferences, 3 book chapters, 3 policy briefs, 30 paper presentations in seminars/symposia in the fields of weather forecast, yield forecast, remote sensing, crop modeling, etc.

RESEARCH INTEREST

Weather forecast, yield forecast, remote sensing, crop modeling

Dr. Sameera Qayoom

Incharge Head, Agrometeorology Unit, SKUAST-K, Shalimar, (Principle Nodal Officer AMFU-Srinagar, Additional Assignments as Nodal Officer ICAR and Nodal Officer UGC)



sameera.qayoom@gmail.com

Professional Accomplishments

A. TEACHING

i) **UG & PG courses taught** **55**

ii) **Students guided: 24**

UG: 08 as advisor

PG: 02 as major advisor

08 as Dean PG Nominee/member of advisory committee

PhD: 01 as major advisor

05 as Dean PG Nominee /member of advisory committee

B. RESEARCH

Projects/Schemes/Activities handled: 59

 Externally Funded: 07, Institutional : 52 (21 as PI and 31 as Co-PI)

Publications: 68

i) Conference proceeding papers, Popular articles, Bulletins, Short communications: 29

ii) Research Publications: 39

iii) Compilation and Editing of Compadium: 03

Dr. Mazharul Aziz

Joint Secretary, South Asia Forum on Agricultural Meteorology (SAFOAM)



azizdae@gmail.com

PROFESSIONAL EXPERIENCE

More than 28 years of experience in Agricultural Extension Service of Bangladesh of which more than 6 years of experience in Operational Agromet Advisory Services. Worked with DAE, UNDP, FAO and The World Bank. About 10 International visits including WMO, NOAA, USDA, The World Bank head Office, CIMIS, IRI - University of Columbia. Successfully implemented The World Bank funded Agromet project in Bangladesh and contributed to the operationalization of Agromet Advisory Services.

ACADEMIC HONORS & AWARDS

Awarded National Science, Information and Communication Technology (NSICT) Fellowship (2007-08) under the Ministry of Science, Information and Communication Technology, Bangladesh.

AREA OF INTEREST

Effective Dissemination of Agromet Advisories, Anticipatory Action, Tailoring/Translating of Agromet Forecasts, Agricultural Stress Management, Sub-seasonal to Seasonal Forecast.

PUBLICATIONS: Published more than 15 scientific papers.

EDUCATION: : Ph. D in Crop Botany.

Dr. Ramchandra Nivrutti Sabale

Founding Member, SAFOAM



drnsabale@gmail.com

PUBLICATIONS:

Published 144 research papers in Peer reviewed Journals, published 5475 daily and 1644 weekly Agromet Advisories in Agro-1 and Sakal newspaper. Disseminated Agro-met Agro Advisory and rainfall forecast weekly through All India Radio (AIR) Parbhani and occasionally on different T.V. news channels for the past 18 years with participation in panel discussions..

RESEARCH INTEREST

Monsoon, climate change and change in crop pattern.

PROFESSIONAL EXPERIENCE

About 32 years experience in UG & PG teaching, research & extension and operational advisory service in Agriculture Meteorology. Worked as Head Department and brought 4 National Projects and as a Director CAS in Agriculture Meteorology of ICAR, trained 410 Assts. & Associate Professors from State Agriculture University of India. Worked as State Consultant to Department of Agriculture, Govt. of Maharashtra. Contributed for establishment of 2085 Automatic Weather Stations in Public Private Partnership in Maharashtra. Contributed for enhancing Agromet Advisory service through mobile SMS from 3 lakh farmers to 52 lakh farmers in 2014 – 2015 in Maharashtra as a State Consultant. Contributed in Establishing 8 AMFU units, 10 observatories and 18 rainguage stations in Maharashtra. Contributed for preparation of Agromet Advisory service course Module for MPKV Rahuri in 2021. Rainfall forecast and Agro Advisories are given for the past 18 years through print and electronic media to 1.5 crore farmers of Maharashtra, that is available on Google. Delivered lectures in 110 farmers rallies on monsoon, climate change and change in crop pattern.

ACADEMIC HONORS & AWARDS

- (1) National Patent Awarded No. 350571 for the invention "A Method of Forecasting Long Range Location-wise Rainfall and a System for the same".
- (2) National Patent Registered No. 201921018792 for the invention "Sabale Method of Phosphomanure (PM) Production".
- (3) Best Research Paper Award of Journal of Maharashtra Agriculture Universities for the "Model for predicting Pest Incidence in suru sugarcane in 2007".
- (4) Books published 20 for farmers and students. 45 M.Sc. & Ph.D. students thesis.
- (5) Acted as Chairman for the "International Seminar on Global Climate Change and its Implications on Agriculture organized by four Agriculture Universities of Maharashtra State in 2017.
- (6) Acted as Key Speaker for seminar and workshop on AWS and its use in agriculture organized by Aashay Measurements in Pune in 2016 and 2017.
- (7) Acted as Chairperson for annual meeting of AMFU units at Hissar, Hariyana in 2005.
- (8) Awards : Vasantnao Naik Sahitya Puraskar (2012), IBN Lokmat National Award (2017), RCF National Award (2010), Dr. Manibhai Desai Seva Award (2010), Vishwa Ratna National Award (2016), Krishi Bhushan National Award (2016) & Agriculture Technology National Award (2017).

- (9) EDUCATION: M.Sc. and Ph.D. (Agronomy), D.Sc.(USA), advance training in Agriculture Meteorology at Michigan, Kansas and Nebraska State Universities in U.S.A. on crop modeling, water balance and micrometeorology respectively in 1989

DR.PARMINDER KAUR BAWEJA

Founding Member, South Asia Forum on Agricultural Meteorology (SAFORM) & Principal Scientist (Agromet), DEE, Dr. YSP UHF, NAUNI-SOLAN



bawejak25@gmail.com

AREA OF SPECIALIZATION

Climate Change Impacts , Micro-climatic Studies on Horticulture/Forestry, Crop-Weather Interactions and Developed Prediction Models, Forest Fire Modeling

PUBLICATIONS: 8 Books as Author and 2 as Editor

> 25 Research Papers in National and International Reputed Journals

>25 Chapters, popular articles

> 1000 Bulletins as Agromet-Advisory Services Bulletins

PROFESSIONAL EXPERIENCE

About 23 years of experience in teaching, research and extension in the field of Crop-Weather-relationship studies and environment management. Assessed Climate variability and its effect on crop production in Mid Hill zone of HP. Studied Micro-climatic Variations and their impact on Forest Ecosystems in Mid Hills of Himachal Pradesh. Studied the relationship of growth stages of Maize (*Zea mays* L.) with weather parameters in mid hills of Himachal Pradesh. Identified the forest fire risk factors in Solan and Mandi districts of mid-hills of Himachal Pradesh and developed fire danger index using fuzzy and logistic models. Evaluated the forest floor characteristics in relation to fire outbreak in mid hills of Himachal Pradesh. Assessed the climatic water balance in mid-hills of Himachal Pradesh using temperature based and radiation based models alongwith standard FAO-56 model. Assessed air pollution tolerance index of plants growing alongside of State Highway-9 in Himachal Pradesh. Assessed Ecological Footprint of Hospitals in Kangra District of Himachal Pradesh. Evaluated the impact of different forest types on soil quality in Shimla district of Himachal Pradesh. Evaluated the effects of Forest fires on forest soils in mid hills of HP. During the Pandemic situation a study was conducted to quantify the relationship between weather parameters and spread of Covid-19 in Himachal Pradesh. Presently working on Urban Forestry concepts to work out the microclimate comfort levels of Solan city in Himachal Pradesh. Simultaneous work on forest phenology vs. climate change is also going on for some deciduous tree species of mid hills of HP. Another very interesting work is going on for medicinal plant species namely, Chamomile vs. micro-climate variations and quality production of blue oil.

Fellowships/AWARDS

University Merit Scholarship during M Sc. Programme

Ist Runner up Award for Oral Presentation of Research Paper entitled, "Role of Meteorological models for forest fire prediction and management in Shiwalik Hills, India during International Symposium on NASA-2014.

IInd Best Paper Award in Poster Presentation on Climate Variability of H.P. during National Conference in Forestry.

Pride of Solan-2017 Award by Amar Ujala Association of Himachal Pradesh

International Recognition Award-2021 by Department of Horticulture, Govt. of Uttarakhand.

EDUCATION: : Ph.D in Environment Management, M.Sc in Agriculture Meteorology, B Sc Medical

Dr. R.Rengalakshmi

Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



rengalakshmi@mssrf.res.in

PROFESSIONAL EXPERIENCE: Agronomist by academic training and has over 25 years of experience as a development researcher and field level practitioner. Working on technologies, institutions and policies in science-society interface adopting participatory and transdisciplinary research. Currently, associated with M.S.Swaminathan Research Foundation, Chennai, India. About 30 International visits including World Meteorological Organisation, Geneva; NIBIO, Norway; International Research Institute for Climate Prediction; University of Cambridge, University of Reading; University of Basel etc. Contributed significantly in the interface of agrometeorology, climate and society.

ACADEMIC HONORS & AWARDS

- Tamil Nadu Best Young Women Scientist award (2007), Science City, Government of Tamil Nadu
- Global Development Network Prize 2015 – Best Paper Award, GDN's 16th Annual Global Development Conference, Morocco

PUBLICATIONS: Published more than 40 research papers in peer reviewed reputed National and International journals.

RESEARCH INTEREST: Sustainable Agriculture, Rural livelihoods, Climate Change and Gender

EDUCATION: M.Sc (Ag) – Agronomy and Ph.D – Agronomy and Conservation Biology (Inter-disciplinary) and M.Phil in Anthropology

Dr. Shiromani Jayawardena

Director of Meteorology at the Department of Meteorology in Sri Lanka

Founding Member, SAFOAM



shirojaya2000@yahoo.co
m,shiro1010@gmail.com

PROFESSIONAL EXPERIENCE

More than 20 years of vast experience in the field of Meteorology and posses a good record of working with international agencies and in developing climate smart initiatives to be utilized by farmers in Sri Lanka formitigating the ill effects of extreme weather events. A member of several international and national technical committees related to Climate Change Adaptation and Climate Services, a member of the IPCC Task Group on Gender, a member of the Monsoons Panel's Working Group on Asian-Australian Monsoons (WG-AAM) jointly established WCRP's core projects Climate and Ocean: Variability, Predictability and Change (CLIVAR) and a member of the Technical Steering Committee of South Asia Climate Outlook Forum. visiting Researcher at the Center for Australian Weather and Climate Research, Australiaand has publications in several peer reviewed journals& international conferences. At present, working as the Director of Meteorology at the Department of Meteorology in Sri Lanka

PUBLICATIONS:

Published more than 25 research papers/extended abstracts, paper presentations in seminars/symposia 3 book chapters,

RESEARCH INTEREST

Climate variability, Intra-Seasonal variability, Tropical cyclones, Storm Surge, Climate Change, Seasonal Forecasting, Heavy Rainfall events, Asian Monsoon.

AWARDS AND FELLOWSHIPS

EWC Degree Fellowship, East West Center, Honolulu, Hawaii, USA 08/2005-08/2007

AAUW International Fellowship, Association of American University Women, USA 2005-2006

Endeavour Research Fellowship, Department of Education, Government of Australia (2015)

EDUCATION:

Ph. D : The Open University of Sri Lanka (2016)

M.Sc in Meteorology : University of Hawaii at Manoa, USA, (2007)

PG Dip in Satellite Meteorology and Global Climate : Center for Space Science and Technology Education in Asia and the Pacific (CSSTEAP), (2003)

B. Sc. in Physics : University of Peradeniya, Sri Lanka (1996),

Dr. Saon Banerjee

Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



sbaner2000@yahoo.com

PROFESSIONAL EXPERIENCE: About 21 years' experience in teaching & Research in Agricultural Meteorology, with special focus on climate change impact research and crop growth modelling. Acted as Principal Investigator of various projects funded by ICAR, ISRO, Ministry of Earth Science and Practical Action (UK) and also involved with three projects funded by Asia Pacific Network (APN) for Global Changes. Acted as respondent (Agriculture Section) in IPCC-AR 4 dissemination Workshop for South East Asia and member of the prestigious BSMA committee (PG and Ph. D. syllabus restructuring committee) of Indian Council of Agricultural Research. Visited more than 10 countries for academic and research purposes and guided six Ph. D. and several M. Sc. students.

ACADEMIC HONORS & AWARDS

- Awarded GOLD MEDAL for academic performance in M.Sc. Degree Programme at IARI.
- Received "Metos Award" for best presentation on Agromet Advisory Services in 2004.
- INSA Bilateral Exchange Program Award for visiting University of Edinburgh in 2012.
- ELLA (Evidences and Learning from Latin America) Learning into Practice Award (US\$ 5000.00) in 2013.
- CNPq-TWAS Post-Doc award in 2014.
- Foreign Fellow, Bangladesh Science Foundation in 2015.

PUBLICATIONS: Published 110 research papers in peer reviewed reputed National and International journals like Ag Forest Met., Int J of Biometeorology, TAAC, Adaptation and Mitigation for Global Changes, Potato Research, etc.

RESEARCH INTEREST: Crop-weather relationship, agroclimatic characterization and climate change and dynamic crop simulation modelling.

EDUCATION: M.Sc.(Agricultural Physics), IARI and Ph.D (Agricultural Physics), IARI.

Dr.T. PRATHIMA

Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



ponukuprathima@gmail.com

EDUCATION:

Ph.D in Agronomy with Specialization in Crop modelling

PROFESSIONAL EXPERIENCE: About 23 years' experience in Agricultural Meteorology Research with special focus on Agromet Advisory Services & climate change impact assessment and development of adaptation options in agriculture sector. Working in Regional Agricultural Research Station, Tirupati, Acharya N.G. Ranga Agricultural University.

ACADEMIC HONORS & AWARDS

- Received Best AMFU award from IMD on 142nd FOUNDATION DAY CELEBRATIONS on 15th JANUARY, 2017
- Under National Invasive Weed Surveillance project received Recognition and appreciation award as Area Co-ordinator.
- Received Ugadi Puraskaram Best Scientist Award in Andhra Pradesh for the year 2016 from Hon'ble Chief Minister, Sri Nara Chandra Babu Naidu garu.
- Received Meritorious Scientist Award from Collector, Chittoor District during 2018

PUBLICATIONS: Published more than 30 research papers in peer reviewed reputed National and International journals.

RESEARCH INTEREST: Crop weather Relations, Climate Change impact assessment and Adaptation strategies, Remote Sensing, Weather Based Agro-Advisory services, Agricultural drought, Extreme Weather and Water Requirement and Water balance Studies

Dr.V.RADHA KRISHNA MURTHY

FoundingMember, South Asia Forum for Agricultural Meteorology



Vrkmurthy11@hotmail.c
om
vrkmurthy11@gmail.com

PROFESSIONAL EXPERIENCE

Retired as Professor & Head, Department of Agronomy. Established weather based horticultural research station and seed production farm. Provided technical and infrastructure facilities for over 900 field experiments. International expert on Roving seminars on weather, climate and farmers. Coined, defined and worked on "Murthy's Weather Health Indices for Agriculture". The other concepts include Comparison Concept, Stigter and Murthy's Blended weather technologies, Daily Weather and Agriculture, The Slate and Pencil technic". Developed web based GDD calculator, Rainfall constants, Technologies for winter paddy nurseries etc. Expert Team Member on committees of CAgM of WMO, Geneva, Switzerland including GAMP; Founding Member and Asia Correspondent of INSAM. Chief Editor of Andhra Agriculture Journal. Countries visited on official missions include Srilanka, Bangladesh, Nepal, Philippines, USA, Canada, Brazil, Switzerland, Italy etc. You Tube Channel "Agrometeorology, Farmers and Rural Development"..

ACADEMIC HONORS & AWARDS

Merit scholarships at all levels of education including PAU Merit scholarship and CSIR fellowship. Three Best teacher awards at University, ANGRAU-ICAR, and A.P. State Government levels. FAOICAR-ANGRAU Fellowship. One Life time achievement award.

AREAS OF INTEREST

Weather Health Indices; Micrometeorology; Crop- Weather relationships and Organizing Roving Seminars

PUBLICATIONS:

Nine (9) text books and manuals written on Agricultural Meteorology are part of UG, PG and Ph.D curriculum. Fourteen (14) books and manuals written as per Act, Statutes and Academic regulations on agricultural and allied polytechnics and education in agricultural sciences are official operational academic administrative documents. Seven (7) book chapters which include Chapter 2 of GAMP of WMO-No.134. Over 200 Peer reviewed research articles, Presentations in Symposia, Seminars, Workshops, Popular articles, half yearly and yearly technical and academic reports. AREAS OF INTEREST.

EDUCATION:

B.Sc (Agriculture) APAU, Bapatla; M.Sc (Agricultural Meteorology) PAU, Ludhiana Ph.D (Agronomy) ANGRAU, Hyderabad; PG Dip. Environmental Studies, Andhra University, Waltair

Dr. Ananta Vashisth

Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



ananta.iari@gmail.com

PROFESSIONAL EXPERIENCE: Working as Principal Scientist at Division of Agricultural Physics, ICAR-Indian Agricultural Research Institute, New Delhi has more than 24 years research experiences in the field of Agro-meteorology, operational agromet advisory services and plant biophysics. As a faculty member of the post graduate school at ICAR-IARI, New Delhi, actively involved in teaching and guiding the Ph.D and M.Sc. students.

ACADEMIC HONORS & AWARDS

- Indian women achiever award 2021 by International Research Association United Kingdom. Outstanding Scientist Award 2021 and Women Researcher Award 2020 by VDGGOOD Professional Association. Expert honor in Agromet Advisory services 2019 by IARI New Delhi. Outstanding scientist award, 2018 & 2017 by Society of Tropical Agriculture, Distinguished Scientist in Agricultural Physics 2017 by Venus International Foundation. Best Scientist Award 2018 by EET Research wing for Excellence in Professional Education & Industry. Fellow of Agriculture letter. Most influential Bioelectromagnetics Journal paper Citation Award 2013 from Bioelectromagnetics Society of USA. Best article in second position published in Agriculture letter 2020. Best paper presentation award in National and International conference 2020, 2018, 2017, 2016, 2012, 2010, 2009 and 2008.

PUBLICATIONS: Published more than 100 research papers in peer reviewed reputed National and International journals.

RESEARCH INTEREST: Agricultural meteorology, Crop yield forecast model, Micrometeorology, Plant Biophysics.

EDUCATION: M.Sc. (Physics) and Ph.D (Agricultural Physics).

Dr. B. Ajithkumar

Founding Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



ajithagromet@gmail.com

PROFESSIONAL EXPERIENCE: About 23 years of research experience and 15 years of teaching experience in Agricultural Meteorology. Coordinator for five online distance learning programmes in collaboration with IIRS, Dehradun. Organiser of State level meeting of Stakeholders on Agromet Advisory Services in Kerala and the National seminar AGMET 2020. Developed a Mobile App ASK “Agromet Services for Kerala”. MoU were signed between National Geophysical Institute, Hyderabad and Kerala Agricultural University for setting up a GPS observatory and also between the National Remote Sensing Centre (NRSC), Indian Space Research Organisation (ISRO), Department of Space, Government of India and Kerala Agricultural University for setting up of Lightning Detection Sensor System (LDS). Working as Associate Professor & Head in the Department of Agricultural Meteorology and the Director for Centre for e-Learning at Kerala Agricultural University. Zonal Representative (South Zone) of Association of Agrometeorologists for the year 2019-23. Worked as Special Officer of Academy of Climate Change Education and Research (ACCER), KAU

Dr. RANI SAXENA

Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



mathurrani@rediffmail.com

PROFESSIONAL EXPERIENCE: More than 15 years of experience in the field of Agrometeorology in GBPUAT, Pantnagar, IARI, New Delhi and SKNAU, Jobner. Working with the ISRO SAC, Ahmedabad and India Meteorological Department, New Delhi. Delivered about 100 lectures as resource persons in different training organized under capacity building programmes by various institutes. Contributing significantly in Agromet Advisory Services in Rajasthan to benefit the farming community.

ACADEMIC HONORS & AWARDS

- Best paper award in national conference ‘V-AGMET 2021’ during March 17-19, 2021 by PAU
- Nominated Member of Board of Studies of SKNAU, Jobner from 2021-23.
- Joint Secretary of Association of Agrometeorologists 2017-2019.
- Awarded “Excellence in Research Award” by SVWS, Lucknow in 2017.
- Awarded for outstanding performance in training by Agricultural Meteorology Division, IMD in 2013.
- Executive committee member of Association of Agrometeorologists 2015-2017.
- Best Scientist award by Rajasthan Agricultural Research Institute 2016.
- Women scientist award by Society for Bioresource and Stress Management.
- Appreciation award by SKNAU, Jobner in 2018.
- Young scientist award by Society for scientific development in agriculture and technology 2018.

PUBLICATIONS: Published more than 40 research papers in peer reviewed National and International reputed Journals.

RESEARCH INTEREST: Agricultural Meteorology, Crop Simulation Modelling, Remote Sensing, Extreme Weather Events, Climate Change

EDUCATION: M.Sc. (Agricultural Meteorology) and Ph. D (Agricultural Meteorology).

**Dr. G. Sreenivas, Principal Scientist (Agro) & Head, Agro Climate Research Centre, Agricultural Research Institute,
Professor Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad-30, Telangana, India
Founding Member, SAFOAM**



gsreenivas2016@gmail.com
gsreenivas2022@gmail.com

PUBLICATIONS:

Published more than 80 research papers in peer reviewed International and national journals. Published more than 20 papers in conference proceedings.

PROFESSIONAL EXPERIENCE

Dr. G. Sreenivas has about 27 years of experience in research, teaching and extension in Agronomy and Agrometeorology. He has expertise in crop management, agroclimatic characterization, Crop weather relationship studies, and development of climate change adaptation strategies. He has 23 years of practical experience in development of content and preparation and dissemination of agrometeorological advisories to the small farmers to fine tune their farming practices to weather aberrations based on medium range weather forecasting issued by IMD. He is actively involved in international and national projects including ACIAR, Australia, AgMIP. Guided a few M.Sc. and Ph.D. students in Crop simulation modelling.

International visits: Visited countries like Bali, Indonesia, Laos PDR, Bogor University, Indonesia, Colombo, Sri Lanka, Arusha, Tanzania and CSIRO, USQ, Australia on various assignments like project activities and conferences etc.

Organized capacity building programmes: As a course director, organized ICAR sponsored 21 days Winter School on "Multiple Crop Modeling to improve resource use efficiency in agriculture under changing climatic conditions" during 03-23 December 2015 at PJTSAU, Hyderabad. Organised capacity building programmes to various stakeholders on climate related risks and adaptation options in agriculture and utility of weather forecast and agromet Advisories in Agriculture.

ACADEMIC HONORS & AWARDS

1. International Award "Excellence in Research Ethics Award-2014" awarded by CSIRO Social Science Human Research Ethics Committee, CSIRO, Australia.
2. Meritorious Research Scientist Award 2010 awarded by ANGR Agricultural University, Rajendranagar, Hyderabad-Telangana, India.
3. In my Leadership "An Award of Excellence for the year 2018 for Outstanding Dissemination and Outreach of Agromet Advisories" 2019 awarded by IMD, MoES, GoI, New Delhi.
4. Awarded the best research paper presentation at "TROPMET-2011" by IMS, Hyderabad Chapter.
5. Best oral paper presentation at "2nd International conference on "Bioresource and Stress Management", at Hyderabad organised by the Society for Bioresource and Stress Management, Kolkata, India and PJTSAU, Hyderabad during 2015.
6. The best oral presentation award for the research paper "Performance of CERES-Rice model under AWD irrigation and nitrogen levels in south Telangana Agro Climatic zone" at International conference on "Innovative Approaches for Enhancing water productivity in Agriculture including Horticulture" 16-19 Sep, 2021 at PJTSAU, Hyderabad.

RESEARCH INTEREST

Climate change impact studies, Development of adaptation strategies, Yield gap analysis studies, Characterization of crop growing environments at Block level.

Dr. Veena Sharma

Technical Officer/Assistant Professor, Agromet Section, SKUAST-Jammu



veena_sharma29@rediffmail.com

PROFESSIONAL EXPERIENCE: About 9 years experience in teaching Soil Science, operational Agromet Advisory Services (Framing, dissemination of advisory through DSS viz NeGPA, Agrometimd) and extension (organizing Farmers awareness Programmes, Agriculture Officers Trainings, dissemination of mobile messages) under GKMS; doing Research on soil moisture

ACADEMIC HONORS & AWARDS

- Merit Scholarship during M.Sc. and Ph.D. from SKUAST-Jammu.
- Selected for Interaction meeting with President of India Dr. A.P.J. Abdul Kalam and Nobel laureates of the world for motivation of youth in science, 2007
- Received fellowship from DST to present Research paper at United States Composting Council, 2012
- Best paper award at Agmet-2020 organized by Association of Agrometeorologists at KAU
- Best paper Award at 2nd Asian Web Conference Managing Hill Resources And Diversities For Zero Hunger and Climate Resilience, 2021 organized by Soil Conservation Society of India (SCSI)

PUBLICATIONS: Published 12 Research Papers, 25 Abstracts, 4 Compendium, 1 Book, 2 Technical bulletins, 11 Book Chapters and 6 Popular Articles.

RESEARCH INTEREST: Soil and Water Conservation, Agricultural Meteorology, Climate Change, Remote Sensing

EDUCATION: M.Sc. (Soil Science & Agricultural Chemistry) and Ph.D (Soil Science & Agricultural Chemistry), qualified National Eligibility Test of ICAR

Dr. Latief Ahmed

Founding Member, South Asian Forum on Agricultural Meteorology (SAFOAM)



drlatief@skuastkashmir.ac.in

EDUCATION:

Doctorate in Agronomy with
Specialization in
Agricultural Meteorology

PROFESSIONAL EXPERIENCE: About 12 years experience in the field of Agricultural Meteorology Research with special focus on Agromet Advisory Services, Crop weather relationship, Crop simulation modelling, AI/ML based Precision farming & climate change studies for hill agriculture. An author of International repute published several books in Springer, Elsevier and Taylor & Francis CRC Press. Working in Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir J&K. Contributed significantly in the field of Agricultural Meteorology published research in good impact journals on different aspects of meteorology like crop weather relationship, crop water requirement, drought studies, climate forecasting, yield estimation and prediction through deep learning.

ACADEMIC HONORS & AWARDS

Best Project Award 2021 ICAR, National Agriculture Higher Education Project
Best Project Award 2020 ICAR, sponsored winter school on "Same field, Better Yield: Understanding on current and emerging technologies for doubling farmer's income."
Recognition Award 2017 ESW 3rd International Research Conference on "Eco-Tourism and Environment."
Best Project Award 2013 under DST sponsored SERB school on "Agrometeorological aspects of extreme weather events"
Young Scientist Award 2014 Society of Environment and Ecology, India

PUBLICATIONS: Published more than 90 research papers in peer reviewed reputed National and International journals.

RESEARCH INTEREST: Crop Science, Agrometeorology, Climate Change studies, Satellite Farming and Crop Simulation Modelling., AI/ML and IoT based farming.

Dr. Md. Mizanur Rahman

Founding Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



mrahman648@gmail.com

PROFESSIONAL EXPERIENCE: About more than 26 years' experience Research in Solar Energy, Meteorology/Climateology University Teaching as well as agrometeorological Services. Worked with The Abdus Salam International Centre for Theoretical Physics (ICTP), Italy, Meteorological Research Institute (MRI), Japan, Asia Pacific Network (APN), Japan. Attended about 22 International seminar/workshop including Japan, South Korea, Taiwan, China, Vietnam, Thailand, Indonesia, Turkey, France, Germany, Italy. Presently contributing Agromet Advisory Services to the farmers in Bangladesh

ACADEMIC HONORS & AWARDS

The 2nd best presentation Joseph Fourier University, Grenoble, FRANCE, in 2011.

- Regular Associate Award, The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, 2010-2015.
- Research Award, Meteorological Research Institute (MRI), Japan in 2008
- Summer School Award, NOAA organized by NHMI, Vietnam.

PUBLICATIONS Published more than 02 dozen research papers in peer reviewed reputed National and International journals. Two International book chapters published by Earthscan Ltd, London, UK and Washin DC and Springer supported by JICA

RESEARCH INTEREST: Agricultural Meteorology, Climate Change and its Applications, Remote Sensing, Disaster Risk Reduction & Management, Agricultural drought, Extreme Weather

EDUCATION: M.Sc. (Physics), M.Phil. (Atmospheric Physics), Ph.D. Diploma (European Research Course on Atmosphere) and Ph.D. (Atmospheric Physics).

Prof (Dr). Raihana Habib Kanth

Member, South Asia Forum on Agricultural Meteorology (SAFOAM)



raihana_kanth@gmail.com

RESEARCH INTEREST

Agricultural Meteorology, Climate Change, Crop weather relationship, Crop simulation modelling

EDUCATION:

B.Sc in Agriculture, M.S. and Ph.D in Agrometeorology.

PROFESSIONAL EXPERIENCE

Have more than 27 years working experience in the field of agro-meteorology, and agronomy. Had been associated with agromet advisory services for more than 15 years as Technical Officer, PI GKMS and FASAL, Professor and Head Agronomy. I have vast experience in Crop weather/pest/disease relationship, climate change adaptation & mitigation, sustainable agronomic crop production Integrated Crop Management (ICM), Integrated Farm Management (IFM). I have remarkable skill and experiences in crop simulation modeling, agrometeorological advisories like Special Bulletin, National Bulletin, District Bulletin and Messages based on meteorological and hydrological information. I have huge expertise to disseminate agrometeorological advisories/messages to the farmers and different stakeholders through different dissemination channels Mobile Application, Short Messages (SMS), Interactive Voice Response (IVR) Email, Facebook, Training, Workshop/Seminar, Mass Media (TV, Radio, and Newspaper etc.), Information, Education & Communication (IEC) Materials, Group Discussion/Meeting, Miking etc. I have a leadership quality as an exhaustive extension worker as well, worked for 4 years as Programme Coordinator Krishi Vigyan Kendra Srinagar.

ACADEMIC HONORS & AWARDS

Best Extension worker SKUAST-K

Best poster presentation in several national and international conferences.

An author of International repute, authored several books with Springer and other reputed publishing agencies.

Best coordinator Award ICAR-NAHEP

Best oral presentation in international conference

Distinguished scientist award by NADPCL

Best coordinator of CCPC & NAHEP

PUBLICATIONS: Published 116 research papers in peer reviewed reputed National and International journals.

Abhijit Basu

Founder & CEO Smartex, Founding Member SAFOAM



abasu@smartex.me

EDUCATION: Uneducated.
Working hard to be educated before my last breathe.

PROFESSIONAL EXPERIENCE: 25+ years as a catalyst for Innovation for people, planet & sustainability.

Value creation driven tech-business leader with a proven record to deliver innovative products, social change, business critical partnerships, high performing teams & strong bottom-line growth that we need for the next big leap for humanity. A technology entrepreneur in the enterprise software as a service, remote sensing and sensors space. Working on policy, technology, communication and climate resiliency challenges involving climate, soil moisture and air pollution.

CHANGE ATTAINED:

- Path breaking work on surface capacitive touch screens has made touchscreens ubiquitous and enabling billions of lives and devices every day.
- Instrumental in making Webex (now Cisco-Webex) a leader in web conferencing long before Zoom an offshoot of Webex became poster child of Covid19.
- Instrumental in drafting Assembly Bill 617 (AB 617) that requires the California Air Resources Board (CARB) and air districts to develop and implement additional emissions reporting, monitoring, reduction plans and measures in an effort to reduce air pollution exposure in disadvantaged communities.
- Working on Air, soil and water quality impact on human health. Recently, my proposal qualified Phase I USAID call for Cleaner Air and Better Health in India, and working with UNEP-CCAC for a path forward
- Enabled communities in Silicon Valley and Dallas voice and seek mitigation for air pollution from city and state governments.

PUBLICATIONS: Business, Technology and Humanity (WIP)

SOLUTION INTEREST: 360 degree technology innovation, Hydrogen, agricultural meteorology, climate change, remote sensing, drought, pollution, climate resiliency and how it all affects humanity and business.

Dr. Mahasweta Bhowmick Dutta

Technical Officer, Agromet Advisory Service, G.K.M.S., B.C.K.V.,
West Bengal, India



**bhowmickmahasweta
2012@gmail.com**

EDUCATION:

M.Sc. & Ph.D.
in Agricultural Meteorology

PROFESSIONAL EXPERIENCE:

About 4 years' experience in Agromet Advisory Services. Working in Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India under Directorate of Research. Disseminate Agromet Advisory Bulletin, Special Bulletin, Impact Based Bulletin, Short Message through IMD website, Email, Kisan Portal. Created 117 whats app weather groups at Block & Village level for the benefit of farming community. Participated training programmes for newly recruited S.M.S. in Agricultural Meteorology and for farmers at A.D.A. offices.

ACADEMIC HONORS & AWARDS

- Best poster presentation in the 5th National Seminar on Agro-meteorological Research and Services (2011)
- Best poster presentation award in the 1st Fam Innovation Congress and National Conference on Innovative Farming for Food & Livelihood Security in Changing Climate (2018)
- Life Member of Association of Agro-meteorologists
- Member of South Asia Forum on Agricultural Meteorology (SAFOAM)

PUBLICATIONS:

Published 9 research papers in peer reviewed reputed National and International journals.

RESEARCH INTEREST:

Agricultural Meteorology, Climate Change