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Dr. Bhagawan Bharali (Chief Editor)

**Area of specialization** Crop Physiology, Environmental Plant Physiology, Plants and Atmospheric pollutants, Aerosols, Biofuels etc.

**Academic qualification:**BSc. (Agri), MSc. (Agri), Ph.D. (Biology) at London University, DIC (Bryophyte Physiology) at Imperial College, London.

Professor & Head, Department of Crop Physiology, Faculty of Agriculture, Assam Agricultural University, Jorhat-785013 (Assam)

Mr. Mukesh Arora (Managing Editor)

M.TECH in Digital Communication, BE in Electronics & Communication, Having experience of 6 year in the field of Research in Engineering. also awarded with the first rank in M.Tech. he has published and present many research paper in India as well as abroad in the field of Engineering

**Research Area:** Photonic Crystal Fiber, Image Processing, sensors and wireless network

Dr Peni Kistijani Samsuria Mutalib

Working as Research coordinator and HOD in the department of Medical Physics in University of Indonesia

**Research Area:** Cell Culture, Flow Cytometry, Cell Signaling, Hypertension, Metabolism, Biochemistry, Inflammation, Insulin Resistance, Diabetes, RNA Interference, Lipid Metabolism

Dr. Samir B. Salman AL-Badri

Samir Albadri currently works at the University of Baghdad / Department of Agricultural Machines and Equipment. After graduation from the Department of Plant, Soils, and Agricultural Systems, Southern Illinois University Carbondale. The project was 'Hybrid cooling to extend the saleable shelf life of some fruits and vegetables. I worked in many other subject such as Evaporative pad cooling.

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Professor Jacinta A.Opara

Working full-time and full-ranked Professor and Director, Centre for Health and Environmental Studies at one of the top 10 leading public Universities in Nigeria, the University of Maiduguri-Nigeria founded in 1975

**Research Area:** Environmental Health; Public Health Education; Urban Health, Population Studies, Health Promotion, Safety Education, Environmental Education, Health Communication, Public Health Biology, Waste Management, Water and Sanitation

Professor Josiah Chidiebere Okonkwo

PhD Animal Science/ Biotech (DELSU), PGD Biotechnology (Hebrew University of Jerusalem)

Senior Lecturer, Department of Animal Science and Technology, Faculty of Agriculture, NAU, AWKA

**Current Interests:** Animal Science, Animal Breeding and Genetics.

Dr. Sunil Wimalawansa

MD, PhD, MBA, DSc, is a former university professor, Professor of Medicine, Chief of Endocrinology, Metabolism & Nutrition, expert in endocrinology; osteoporosis and metabolic bone disease, vitamin D, and nutrition.

He is an educator, author, researcher, innovator, executive board member, an administrator, and philanthropist. He is a multiple award-winner from several professional societies. He received a coveted Lifetime Achievement Award for his contributions to medicine, science, humanity, and society. Recognizing his humanitarian contributions, ISCD awarded him, 2007 Dr. Oscar Gluck International Humanitarian Award

**Current Interests:** environment, climate change, agrochemicals, prevention of human diseases secondary to water pollution such as chronic kidney disease of multifactorial origin.

Dr. Ajeet Singh Nain

Working as Professor in GBPUA&T, Pantnagar-263145, US Nagar, UK, India.

**SPECIALIZATION:** Agrometeorology, Crop Modelling, Remote Sensing, GIS, GPS

Dr. Sanjoy Kumar Bordolui

M.Sc. (Ag.), PhD, FSTA, FSIESRP, Assistant Professor, Department of Seed Science and Technology, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia. W.B., India. He received CWSS Young Scientist Award-2016, conferred by Crop and Weed Science Society, received Best Young Faculty Award 2019 conferred by Novel Research Academy, received Innovative Research & Dedicated Teaching Professional Award 2020 conferred by Society of Innovative Educationalist &

Scientific Research Professional, Chennai. In his service career he has been actively engaged in the teaching, research and training programmes in seeds. He has to his credit 28 full papers in National and International scientific journals, six books, eight book chapters, four manuals and seven Bengali articles. He acted as member of PME cell of BCKV. He served as Technical Advisor (Voluntary Basis) for seed village programme in Gontra Samabai Krishi Unnayan Samity Ltd., Gontra, Nadia. (2003-2014). He is serving as the member of Executive Council of CWSS.

**Field of specialization:** Germplasm conservation, Seed invigoration, Seed Science and Technology, Principle of Seed Processing, Principle of Seed Storage, Seed Marketing and Managements, Seed Packaging, Seed Quality Management, Seed Production, Seed Biology and Seed physiology.

Dr.Chiti Agarwal

**Affiliation:**Plant Science and Landscape Architecture, University of Maryland.

Dr. Chiti Agarwal works as a postdoctoral associate at the University of Maryland in College Park, Maryland, USA. Her research focuses on fungicide resistance to fungal diseases that affect small fruits such as strawberries. She graduated from North Dakota State University in Fargo, North Dakota, with a B.S. in biotechnology and an M.S. in plant sciences. Dr. Agarwal completed her doctorate in Plant Pathology while working as a research and teaching assistant. During her time as a graduate research assistant, she learned about plant breeding, molecular genetics, quantitative trait locus mapping, genome-wide association analysis, and marker-assisted selection. She wants to engage with researchers from many fields and have a beneficial impact on a larger audience.

**Specialization:** Plant pathology, Plant breeding.

DR. Owais Yousuf

Presently working as Assistant professor in the Department of Bioengineering, Integral University-Lucknow, Uttar Pradesh, India.

**Specialization:** Food Process Engineering, Agro Waste Valorization, Food Technology, Minimal Food Processing, Novel Extraction Technologies in Foods

Dr. Vijay A. Patil

Working as Assistant Research Scientist in Main Rice Research Centre, Navsari Agricultural University, Navsari. Gujarat- 396 450 (India)

**SPECIALIZATION:** Plant Pathology

**Research Area:**

1. Research on Rice, Mango and Vegetables
2. Diagnosis and management of plant diseases
3. Host plant resistance, Biological and chemical management of plant diseases

Dr. Amit Kumar Maurya

Working as Junior Research Assistant in the Department of Plant Pathology at Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj, U.P. India.

**Area of specialization:** Plant Pathology, Disease diagnosis of different pathogens, integrated pest management, plant growth promoting bio-control agents, formulations and application, Extraction and identification of plant parasitic nematode (Root knot nematode and Cyst nematode) of different crops and their management practices, Mushroom cultivation and disease management, etc.

**Academic qualification:** MSc. (Agri. Plant Pathology), Qualified ASRB (NET), Ph.D. (Plant Pathology).

Dr. Abdelhak RHOUMA

PhD in Plant protection and environmental health (Phytopathology) (Higher Agronomic Institute of Chott Mariem Sousse, University of Sousse, Tunisia).

**SPECIALIZATION:** plant pathology, plant protection, integrated pest management and soil microbiology.

Mr. Anil Kumar

Working as Junior Research Officer/Asstt. Prof. in the dept. of Food Science & Technology in Agriculture and Technology, Pantnagar.

**SPECIALIZATION:** Dairy Processing/Food Technology/Functional foods/Shelf life extension of foods.

Mr. Aklilu Bajigo Madalcho

working at Jigjiga University, Ethiopia, as lecturer and researcher at the College of Dry land Agriculture, department of Natural Resources Management.

**SPECIALIZATION:** Agroforestry and Soil Management, Biometrics, Research methods, Advanced rural Sociology; Soil Chemistry, Agroforestry and agroclimatology, Biodiversity conservation, Plant, Soil and water relation, Component interaction in Agroforestry

Mr. Bimal Bahadur Kunwar

He received his Master Degree in Botany from Central Department of Botany, T.U., Kirtipur, Nepal. Currently working as consultant to prepare CCA-DRR Plan for Hariyo Ban Program/CARE in Nepal/GONESA

SPECIALIZATION:Botany.

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**Daftar Isi**

1. Dynamic Changes of Vitamin C in *Actinidia deliciosa* 'Xuxiang' During Fruit Development.

**Authors:** Rong Yuan

**DOI:** <https://dx.doi.org/10.5281/zenodo.7033577>



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2. The Effect of Arbuscular Mycorrhiza Inoculation and SP 36 Fertilizer on the Growth of Palm Oil (*Elaeis Guineensis* Jacq.) SeedlingDxP PPKS 540 Variety Grown in Pre Nursery Phase

**Authors:** Helda Syahfari, Abdul Rahmi, Abdul Fatah, Syamad Ramayana, Andi Putra Damanik

**DOI:** <https://dx.doi.org/10.5281/zenodo.7033582>



**Digital Identification Number:** IJOEAR-AUG-2022-5

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3. Adopting a Beneficial Carbon Farming in the Cropping Pattern using an Optimization Technique: A Case Study

**Authors:** Jalal Jebelli

**DOI:** <https://dx.doi.org/10.5281/zenodo.7033588>



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4. Effect of Organic and Inorganic Source of Nutrients on Yield of Cotton (*Gossypium hirsutum* L.) under Teak (*Tectona grandis*) Based Agroforestry System

**Authors:** Lakavath Sravanthi, Neelam Khare, Rohit Gowtham Paruchuri, R VijayKumar

**DOI:** <https://dx.doi.org/10.5281/zenodo.7082496>



**Digital Identification Number:** IJOEAR-AUG-2022-10

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5. Study of Agroforestry System and Socio Economic Status of Farmer in Leparada dist of Arunachal Pradesh

**Authors:** Bompi laye, Neelam khare, Rohit Gowtham Paruchuri, R VijayKumar

**DOI:** <https://dx.doi.org/10.5281/zenodo.7082511>



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