




Faculty Details Proforma

Title	Dr	First Name	Basanta K	Last Name	Das	Photograph
Designation		Assistant Professor				
Address		Daulat Ram College, Patel Marg 4				
Phone No. Office						
Residence						
Mobile No.						
Email – ID		basanta.das@dr.du.ac.in				
Web Page						
Educational Qualification						
Degree		Institution			Year	
B. Sc (Botany)		Utkal University, Odisha			1997	
M. Sc (Botany)		Sambalpur University, Odisha			2000	
Ph.D (Botany)		Utkal University, Odisha			2007	
Post Doc		National Institute of Horticulture and Herbal Science, Suwon, South Korea			2008-2010	
Career Profile						
<p>Currently working as an Assistant Professor, in the Department of Botany, Daulat Ram College, University of Delhi, India from 23th Jan 2023 to till date on permanent basis</p> <p>Asst Professor (25th Jan 2022 to 23 Jan 2023)</p> <p>Worked as Assistant Professor (Adhoc) The Department of Botany, in Hindu College, University of Delhi from 25th Jan 2022 to 23 Jan 2023</p> <p>National Consultant (Aug 2021 to 31st Dec 2021)</p> <p>Worked as a National Consultant, International Rice Research Institute, Philippines, for the theme “Women led FPOs in Odisha from Aug 2021 to 31st Dec 2021 at New Delhi, India</p> <p>Consultant (16th March to 30th June 2020 and 9th Oct 2020 to 31st March 2021)</p> <p>Recently, I was working as Consultant (Schemes) in the Extension Division, Krishi Bhawan, Ministry of Agriculture & Farmers Welfare, Government of India, 110001.</p> <p>Consultant (1st December 2016 to 15th March 2017)</p> <p>I was working as Consultant in the Climate Change Cell, National Mission on Sustainable Agriculture (NMSA) in the</p>						

Rainfed Farming System Division, Krishi Bhawan, Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India, New Delhi.

Research Associate (From 9th Sep, 2011 to Nov 2016)

As Research Associate, on Pest Risk Analysis of different agricultural produce from India to other countries in Export Division, Directorate of Plant Protection, Quarantine and Storage, Department of Agriculture and Cooperation, Ministry of Agriculture, Government of India, Faridabad, 121101.

Post Doctoral Fellow (From 26th June, 2008 to Feb 2010)

As Post Doctoral Fellow in National Institute of Horticultural & Herbal Science, Rural Development Administration, Imok-Dong, Suwon, Republic of Korea, on the project entitled “Microbial quality, physiology, shelf-life and safety of horticultural produce. The central focus of my research work here is different quality parameters associated with postharvest microbial quality, food safety, physiology etc during storage.

Research Associate (Postdoc) (From Sep 2007 to Jun 2008)

As Research Associate (Postdoc) in National Research Center on Plant Biotechnology, Indian Agricultural Research Institute (IARI), Pusa campus, New Delhi, India, on Indian Council of Agricultural Research Network project on transgenic plants entitled “Fusarium wilt resistance and drought tolerance in chickpea”.

Administrative Assignments

Teacher Programme Committee: Member, Botany Department, DRC-2024-2025

Discipline Committee: Member, Botany Dept, DRC 2024-2025

Quiz Society: Member/Convenor, DRC 2024-2025

Areas of Interest / Specialization

Post Harvest Technology, Physiology of fruit ripening, Plant Secondary metabolites, Minor forest products, Plant microbe interaction, Molecular Markers, Plant Pathology, Food value addition and processing.

Subjects Taught (in the last three years)

Economic Botany & Biotechnology, Environmental Sciences, Genetics & Molecular Biology, Analytical Techniques in Plant Sciences, Biostatistics & Bioinformatics in Plant Sciences, Plant Biotechnology, Industrial /and Environmental Microbiology, Basic Laboratory and Field Skills in Plant Biology, Natural Resource Management, Plant Physiology etc

Research Guidance

NIL

Publications Profile (in the last three years)

1. Diversity Among Indian Sesame (*Sesamum indicum* L.) Accessions Using RAPD, ISSR and SSR Markers. *Research Journal on Biotechnology*. 10 (7), 35-47.
2. G.R. Bhaganagare, M.S. Kesawat, **B.K. Das**, S.M. Shivaraj, B.S. Surwase and Manorama (2013). Assessment of *nifH* gene Diversity in Rhizobial Isolates of Different Origins and the Role of Antioxidants in Respiratory Protection, *Journal of Crop Science and Biotechnology*, 16 (1) : 17~22.
3. M. S. Kesawat, **B. K. Das**, G.R. Bhaganagare, and M. Manorama (2012) Genome-wide identification, evolutionary and expression analyses of putative Fe-S biogenesis genes in Rice (*Oryza sativa* L.). *Genome*, 55 (8): 571-583.
4. **Das, B. K.**, Das, J. M., and Keshawat M. S. (2012) Comparison of different washing solutions and contact times on the quality maintenance and microbial reduction of fresh-cut Iceberg lettuce. *Indian Journal of Agricultural Sciences*, 82 (1): 48–54.
5. **Das, B.K.**, Kim, J. G. and Choi J.W. (2011) Efficacy of different washing solutions and contact times on the microbial quality and safety of fresh-cut Paprika. *Food Science and Technology International*, 17(5) 471–479.
6. **Das, B.K.**, Kim, J. G. and Choi, J. W. (2011). Edge Browning and Microbial Quality of Fresh-cut Iceberg Lettuce with Different Sanitizers and Contact times. *Bulgarian Journal of Agricultural Sciences*, 17 (1), 55-62.
7. **Das, B.K.**; Choudhury, B.K. and Kar, M. (2010) Quantitative Estimation of Changes in Biochemical Constituents of Mahua (*Madhuca indica* Syn. *Bassia latifolia*) Flowers During Postharvest Storage. *Journal of Food Processing and Preservation*, 34 (5), 831-844.
8. Kim, J.G.; Nimitkeatkai, H. and **Das, B.K.** (2010). Effect of calcinated calcium washing solution and heat treatment on quality and microbial reduction of fresh-cut lettuce and broccoli. *Acta Horticulturae*, 875: 237-242.
9. **Das, B.K.**, Choudhury, B. K. and Kar, M. (2010) Identification of Abiotic and Biotic Factors Causing Deteriorating During Storage and Development of Storage Techniques for Mahua (*Madhuca indica* Syn. *Bassia latifolia*) flowers. *Agriculturae Conspectus Scientificus*, 75 (3) 119-125.
10. **Das, B.K.**, Kim, J. G. and Choi J.W. (2010) Role of different washing solutions and contact times on the microbial quality and food safety of fresh-cut Paprika *Acta Horticulturae*, 875, 283-290.
11. **Das, B.K.** and Kim, J. G. (2010) Combined Effect of Heat treatment and Washing Solutions on the Quality and Microbial Reduction of Fresh-cut Paprika. *Horticulture, Environment and Biotechnology*, 51(4):257-261.
12. **Das, B.K.** and Kim, J. G. (2010) Microbial Quality and Safety of Fresh-cut Broccoli with Different Sanitizers and contact times. *Journal of Microbiology and Biotechnology*, 20 (2), 363–369.
13. Kesawat, M.S., **Das B.K.**, G.R. Bhaganagare, S. Vinay and Manorama (2009) Isolation and Characterization of Lipopolysaccharides from different Rhizobial Isolates. *Journal Crop Science and Biotechnology*, 12 (3) 109-113.
14. M.S. Kesawat and **B.K. Das** (2009) Review on Molecular Marker: It's Application in Crop Improvement. *Journal of Crop Science and Biotechnology*, 12 (4): 168- 178.

SELECTED BOOK CHAPTER PUBLICATION

15. Kesawat, M. S., **Das, B. K.**, Kumar, M., Bhaganagare, G. R. and Manorama (2015) An Overview on Fe–S Protein Biogenesis from Prokaryotes to Eukaryotes, in Biological Nitrogen Fixation (ed F. J. de Bruijn), John Wiley & Sons, Inc, Hoboken, NJ, USA. pp 59-74. doi: 10.1002/9781119053095.ch6

Conference Organization / Presentation (in the last three years)

1. **1.Das, B.K.**; J.G. Kim, (2008) Application of Different Washing Solutions on the Microbial Quality of Fresh-cut Broccoli and Iceberg Lettuce. In Korean Society of Food Preservation, November, 7-8, 2008, Republic of Korea.
2. Nimitkeatkai, H.; Kim, J.G.; **Das, B.K.** (2008) Application of Different Eco-friendly Sanitizers on the Microbial Safety and Quality of fresh-cut Iceberg lettuce. In 1st Asian Horticultural Congress, December, 11-13, 2008, Republic of Korea. <http://www.horticulture.or.kr/>
3. **Das, B.K.**; J.G. Kim, (2009) Microbial quality and shelf-life of fresh-cut balloon flower root under different storage temperatures and packaging methods; In Korean Society of Plant Sciences, October, 26, 2009, Republic of Korea.
4. Kim, J. G., **B. K. Das**, and J. W. Choi (2010) Effect of Raw Material Characteristics on Product Quality and Shelf-life of Fresh-cut Onion. In Korean Society of Horticultural Sciences, May, 22-23, 2010, Republic of Korea.
5. Kim, J. G., **Das B. K.**, S. W. Cha, and Y.P. Kim and W. S. Kong (2010) Changes in quality and microbial population of fresh-cut button mushroom (*Agaricus bisporus*) during storage, The 6th International Conference of the Korean Mushroom Society, 12, Nov 2010, Republic of Korea.

ORAL PRESENTATIONS

1.Das, B.K. and J.G. Kim, (2008) Effect of Heat Treatment and Washing Solutions on the Microbial Safety and Quality of fresh-cut Paprika. Presented in 1st Asian Horticultural Congress, December, 11-13, 2008, Republic of Korea.

2.Das B.K. and Kim, J. G. (2009) Microbial Quality and Safety of Fresh-cut Broccoli with Different Sanitizers and contact time. In Korean Society of Horticultural Sciences, May, 22-23, 2009, Republic of Korea.

Research Projects (Major Grants/Research Collaboration)

No

Awards and Distinctions

PRESTIGIOUS INTERNATIONAL RECOGNITION

Placed in 2012 edition of “*Who’s Who in America Who’s Who in World Who’s Who in American Politics Who’s Who in American Women Who’s Who in Science and Engineering*” Marquis Who’s Who 300 Connell Drive, Suite2000 Berkeley Heights, NJ 07922 , USA www.marquiswhoswho.com

Association with Professional Bodies

Orissa Botanical Society
Korean Society for Horticultural Sciences

Other Activities (in last three years)**AS INVITED SPEAKER**

Presented an oral presentation on the topic entitled “ Citrus in India: An overview” in International Symposium On The Research Trends and Utilization Of Citrus Functional Compounds” at Citrus Research Centre, National Institute of Horticulture and Herbal Science, Rural Development Administration, Jeju, South Korea, on 15 Oct 2009.

TRAINING & WORK SHOP ATTENDED

1. Delivered a presentation on Quarantine concern in Export of Indian mangoes to European Union, on 23-24 June 2015, the high-level dialogue seminar on Food Control under Capacity Building Initiative for Trade Development in India in Collaboration with European Union, India.
2. Participated in the Capacity Development Workshop in Carbon Balance Appraisal of Projects and Policies with the FAO (Food and Agriculture Organization of United Nations) Ex-Ante Carbon Balance Tool (EX-ACT) New Delhi, 12-15 December 2016

REPRESENTATIVE MEMBER

1. Represented as Member Technical Scrutiny Committee (TSC) from Ministry of Agriculture & Farmers Welfare, Govt of India, on the National Adaptation Fund on Climate Change (NAFCC) was held on 6th January 2017, in the Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh, New Delhi.
2. Represented as a Member Technical Scrutiny Committee (TSC) from Ministry of Agriculture & Farmers Welfare, Govt of India, for Indo-German bilateral projects on Climate Change entitled “Promoting Food and Nutrition Security for Small Holder Farmers through Climate-Smart Adaptive Agriculture and Water Use Efficiency in Rain fed, Drought-prone regions of Selected States in India”, held on 17th January 2017, in the Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh, New Delhi.