

# POROFORMA OF FACULTY PROFILE



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**Education** : M Sc(Ag) & Ph D in Horticulture  
**Academic experience** : **Teaching-18 years ,Research: 15 years**  
**Research areas/field of specialization** : **Fruits and Orchard Management/Plant Tissue culture**  
**Teaching areas** : **Fruit Science & Horticulture**  
**Publications** (recent to old) :

## Publications in Journals

1. Shurhozenuo Naleo, Akali Sema & **C S Maiti**(2018) Effect of plant growth regulators and packaging on flowering ,fruit quality and shelf life in Mango cv. Amrapali. *Journal of Experimental Agriculture International* 20(6):1-8
2. S P kanaujia, Alongba Tzudir, **C S Maiti** & Sentimenla ( 2018) Effect of integrated nutrient management on growth, yield and quality of turmeric under Nagaland conditions. *Indian Journal of Horticulture* 75(1): 92-98.
3. Moakala Changkija, S P Kanaujia, Astik Jha, Akali Sema & **C S Maiti**( 2017) Effect of integrated nutrient management on growth,yield and quality of broccoli( *Brassica oleraceae var. italic* L.) cv. Calabrase under foothill condition of Nagaland. *Vegetable science* 44(1):47-53
4. Rupunga Flory H, S P Kanaujia,Akali Sema, **C S Maiti** & H P Chaturvedi(2017) Genetic diversity analysis in tomato (*Solanum lycopersicum*) genotypes. *Indian Research Journal of Genetics & Biotechnology* 9(3):421-426
5. Animesh Sarkar, V D Napoleon Pou &**C S Maiti** (2016) Effect of bending, shoot pruning and girdling for crop regulation in guava cv. Kazi under foot hill in Nagaland. *Enviroment & Ecology* 35(1):177-179
6. Obed Chisho,**C S Maiti** & Sentirenla Jamir (2016) Effect of AM Fungi( *Glomus intradices*) on the growth and Phosphorus content of invitro propagated banana cv. Grande Naine plantlets.*Enviroment & Ecology* 35(D):1512-1515
7. Arvind Singh, N K Patle & **C S Maiti**(2015) Performance of exotic gerbera cultivars grown under protected conditions in Nagaland. *International Journal of Farm Sciences* 5(3):98-101
8. Lanuakum,Graceli I. Yeptthomi & **C S Maiti**(2015) Effect of radiation interception and canopy temperature on growth ,yield and quality in banana cv. Grande Naine (AAA) under different planting densities. *Journal of Horticultural Sciences* 10(2):172-176.
9. Moakala, S P Kanaujia & C S Maiti(2015) Effect of integrated nutrient management on yield and economics of Broccoli grown in Nagaland. *Agriculture for Sustainable Development* 3(1):69-72

10. Patel, R.K., **Maiti, C.S.**, Deka, B.C., Verma, V.K., Deshmukh, N.A. and Verma, M.R. (2015) Genetic variability, character association and path coefficient study in guava (*P. guajava* L.) for plant growth, floral and yield attributes. *International Journal of bio-resource and stress management*,6(4): 176-181
11. R.K. Patel., **C.S. Maiti**, Bidyut C. Deka, N.A. Deshmukh , V.K. Verma & A. Nath(2015) Physical and biochemical changes in guava (*Psidium guajava* L.) during various stages of fruit growth and development. *International Journal of Agriculture, Environment and Biotechnology* , 8(1) : 75-82
12. Jami, Y.Y., Sarkar, A and **Maiti, C.S**(2015). Evaluation of strawberry cultivars in the foothills of Nagaland *Journal Crop and Weed*, 11: 198-200
13. Sentirenla Jamir & **C.S. Maiti**(2014)Effect of various levels of cytokinin and auxin for *in vitro* regeneration of banana cultivars. *International Journal of Agriculture Innovations and Research*, 2(6) : 1160-1163.
14. Graceli I Yephthomi & **C.S. Maiti**(2014)*In vitro* multiplication for disease free healthy seed rhizome production of ginger (*Zingiber officinale*). *Integrated Journal of British*, 1(4) : 1-12
15. Dietholhou Rakho, **C.S. Maiti** & Sentirenla Jamir(2014) Effect of mulching on economic yield of strawberry (*Fragaria x Ananassa* Duch.) cv. Chandler under alfisols of Nagaland. *International Journal of Innovative Research and Studies*, 3(6) : 163-173
16. R.K. Patel , **C.S. Maiti** , Bidyut C Deka, S.S Roy & V K Verma (2013) Genetic diversity among guava genotypes based on seed protein polymorphism). *Indian Journal of Horticulture*, 70(2) : 190-194
17. R.K. Patel, **C.S. Maiti**, Bidyut C Deka, N A Deshmukh & A Nath(2013) Changes in sugars, pectin and antioxidants of guava fruits during fruit growth and maturity. *Indian Journal of Agricultural Sciences*, 83(10) : 1017-1021
18. Rongsennungla,I., S .P. Kanaujia, V B Singh and **C S Maiti** (2012) Effect of pre and post-harvest treatments on yield, quality and post harvest life of King chilli( *Capsicum chinense* Jacq.) under foothill conditions of Nagaland(India), *Journal of Spices and Aromatic Crops* 21(1):42-47
19. R K Patel and **C S Maiti** (2012) Variability studies in Guava(*Psidium guajava* L.) genotypes for growth , yield and quality attributes at mid hills of Meghalaya. *Indian J Hill Framing*, 24(1&2):23-27
20. Mitra S K & **C S Maiti** (2011) Genetic resources of Pumello (*Citrus grandish* Osbeck) in West Bengal. *Acta Horticulturae*,918:667-671
21. **C S Maiti** & Mitra S K (2010) Correlation and path coefficient analysis for some morphological and biochemical constituents of jackfruit genotypes. *Indian Journal of Horticulture* 67(2):169-172
22. Sema A, **Maiti C S** , Singh A K & Bendangsangla Ao(2010) DRIS Nutrient norms for Pineapple on Alfisols of India . *Journal of Plant Nutrition*33( 9):1384-1390
23. Mitra S K , **C S Maiti** & P K Pathak (2010) Genetic Resources of Bael (*Aegle marmelos* Correa)-a Potential Underutilised Fruit. *Acta Horticulturae* 864:49-51
24. Mitra S K & **C S Maiti** (2004)Studies on genetic resources of jackfruit(*A. heterophyllus* Lamk) in West Bengal.*Acta Horticulture*, 575:269-271
25. **C S Maiti** & S K Mitra (2003)Genetic variability for physico-chemical attributes in jackfruit genotypes of West Bengal *Indian Agriculturist* ,47(3-4):193-199.
26. Rokolohu Kreditsu, Akali Sema & **C S Maiti**(2003) Effect of modified packaging and low temperature on post harvest life of Khasi mandarin. *Journal of Food Science & Technology*,40 (6) : 646-651
27. **C S Maiti**, L. Wangchu & S K Mitra (2003) Effect of pre sowing seed treatments with different chemicals on seed germination and seedling growth of jackfruit (*A. heterophyllus* Lam.). *Environment & Ecology*,21(2) : 290-92

28. **C S Maiti** (2002) Genetic divergence in jackfruit (*Artocarpus heterophyllus* Lamk.). *Journal of Genetics & Plant Breeding*. 62 (4) : 369-370
29. **C S Maiti** & S K Mitra(2002) Studies on genetic resources of jackfruit (*Artocarpus heterophyllus* Lamk.) in West Bengal. *The Horticulture Journal*, 15 (2) : 33-43.
30. Wachamo, Akali Sema & **C S Maiti**(2002) Effect of different levels of nitrogen and phosphorus on growth, flowering and yield of okra cv. Arka Anamika grown under the foothills of Nagaland *The Horticulture Journal*,15 (1) : 81-88
31. **C S Maiti**, S K Mitra & A Samanta(2001)Genetic variability, heritability and genetic advance relating to some fruit characters in Pummelo (*Citrus grandis* Osbeck) genotypes. *Indian Agriculturist*,45 (1 & 2) : 19-23.
32. Thepusa Nakhro, **C S Maiti** & V B Singh(2001) Comparative studies of farmyard manure and pig manure under terrace condition of Nagaland on ginger cv. Nagaland Local in respect of yield and quality . *Journal of Intercademicia*,5 (2) : 176-179.
33. **C S Maiti** & S Sen(2000) Effect of different light spectra on germination of jackfruit seeds with relation to imbibitions and depth of sowing. *Annals of Agriculture Research*,21 (4) : 533-39.
34. Avijit Jana, **C S Maiti** & S C Maiti(2000).Sex behaviour of different varieties of mango (*Mangifera indica* L.). *Environment & Ecology*,18 (2) : 352-355
35. A K Singh, P L Kar & **C S Maiti**,(2000)Effect of Zinc and Boron on fruit and quality traits in pineapple (*Ananas comosus* [L.]) cv. Giant Kew. *South Indian Horticulture*,50 (1-3) : 44-49.
36. **C S Maiti** & S Sen(1999) Effect of pre treatments of scion on grafting success in jackfruit (*Artocarpus heterophyllus* Lamk.). *The Horticulture Journal*,12(2) : 97-99.
37. **C S Maiti** & S Sen(1999)Physico-chemical analysis of fruits of bael (*Aegle marmelos* Correa) cultivars of West Bengal. *Journal of Interacademicia*,3(2) : 168-171.
38. **C S Maiti**, A Nath & S Sen(1999)Studies on the propagation of bael (*Aegle marmelos* Correa) by different grafting methods in West Bengal. *Journal of Applied Horticulture*,1(2) : 131-132

#### **Book Chapters/ Book**

1. S P Kanaujia & **C S Maiti** (2017) **Text Book of Vegetable Production** Pub: Today & Tomorrows Printers and Publishers, New Delhi,India ISBN: 978-8-170-19583-2
2. **C S Maiti** (2017) **Jackfruit: A Minor Fruit of the Tropics**. In Dutta,A. K. and Mondal,B(Eds.), *Fruits for Livelihood: Production Technology and Management Practices* Pub: Agro bios(India),Jodhpur,,India pp.155-169. ISBN:
3. V B Singh & **C S Maiti** (2013) Recent advances in disease and pest management of major spices in NE Region , In T K Hazarika & B P Nautiyal(Eds.) *Horticulture for Economic Prosperity*, Pub: Westville Pub house,47,B-5, Paschim Vihar, New Delhi-63 pp.220-224. ISBN: 978-81-85873-97-8
4. Akali Sema & **C S Maiti** (2010) **Passion Fruit: Industry in North East India**, In K L Chadha, A K Singh, V B Patel (Eds.) *Recent Initiatives in Horticulture*. Pub: Westville Pub house,47,B-5, Paschim Vihar, New Delhi-63. Pp. 457-469. ISBN: 978-81-85873-54-1

5. R C Nayak & C S Maiti ( 2006) **Role of micro-irrigation for Sustainable Horticultural crop production in NE region** , In V B Singh, Akali Sema & P Alila (Eds.) *Horticulture for Sustainable Income & Environmental Protection: Vol-I* Pub: Concept Publishing Company, A/15 &16, commercial Block, Mohan Garden, New Delhi. Pp.94-98. ISBN: 81-8069-221-3
6. R C Gupta & C S Maiti ( 2006) **Revelation of Plant bioregulator in Horticulture: Restrospect and Prospect**, In V B Singh, Akali Sema & P Alila (Eds.) *Horticulture for Sustainable Income & Environmental Protection:Vol-I* Pub: Concept Publishing Company, A/15 &16, commercial Block, Mohan Garden, New Delhi. Pp.99-109. ISBN: 81-8069-221-3

**Other publications** (Practical manuals/ Reports, etc. with year of publication)

1. Practical manual for B Sc (Hons.) Ag. On Production technology of Fruit crops.

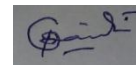
**Handling of research/ development project/ consultancy (recent to old)**

Title of project	funding agency	duration	completed/ on-going
Survey ,identification and characterization of unique ginger and turmeric landraces endemic to North Eastern Region(NER) of India	DBT	2018-2021	
<i>In vitro</i> Mass Propagation of High Value Hill Area Banana : Funded by: DBT's NER Banana Program for NE ( Biotech Consortium India Limited) Period-2017-2020, as PI.	DBT	2018-2021	ongoing
Coordinated Research Project on Fruits (Mango& Litchi) ,Funded by: ICAR-AICRPF ,IIHR, Bangalore, Period-2018 to ... ,as Project In charge.	ICAR	2018-2023	ongoing
Seed System Development of Major Spices ( <i>Ginger,Turmeric &amp; King Chilli</i> ) through in vitro techniques(2012-2015), Funded by: DBT( Biotech Consortium India Limited, New Delhi) ,as PI.	DBT	2012-2015	completed
Ad-hoc research Project on Survey of nutritional status in pineapple cv. Giant Kew growing under the foothill condition of Nagaland. Funded by: ICAR,New Delhi(2001-2004) as Co-PI.	ICAR	2001-2004	completed

**Research guidance**

Sl No	Topic of the Thesis	Name of the Student	Degree	Year of Award
1	Studies on genetic relationship of guava( <i>Psidium guajava</i> L.) genotypes based on morphological, biochemical traits and SDS-PAGE.	Ramkishor Patel	Ph D	2012

2	Plantlet regeneration and acclimatization of King Chilli( <i>Capsicum chinense Jacq.</i> ) through <i>in vitro</i> Technique	Sentirena Jamir	Ph D	2016
3	<i>In vitro</i> microrhizome production and acclimatization in Ginger( <i>Zingiber officinale</i> Rose.) Cv. Nadia	Graceli I Yephthomi	Ph D	2016



(Dr C S MAITY)  
Signature