

## **DR. NINGTHOUJAM MANDA DEVI**

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### **EDUCATIONAL QUALIFICATIONS**

- **Ph.D. (2018)**, College of Food Processing Technology & Bio-Energy, Anand Agricultural University, Anand, Gujarat-388110. **Specialization-** Food Processing Technology.
- **M.Tech (2015)**, College of Agricultural Engineering & Technology, Junagadh Agricultural University, Junagadh, Gujarat-362001. **Specialization-** Processing and Food Engineering.
- **B.Tech (2013)**, College of Agricultural Engineering Post-Harvest Technology, Central Agricultural University, Imphal, Manipur-795004. **Specialization-** Agricultural Engineering.

**MEMBERSHIP:** Indian Society of Agricultural Engineers (LM- 11287).

### **ACHIEVEMENT:**

- **2<sup>nd</sup> position in oral presentation, 2023-** National Seminar on “ Sustainable Emerging Approach in Agri-Business Development”, organized by Department of Agricultural Economics, Nagaland University, School of Agricultural Sciences, Medziphema Campus, Nagaland.
- **Innovative Article Award, 2022** - Agriculture and Food E-Newsletter
- **Best Article Award, 2022** - Agriculture and Food E-Newsletter
- **ASRB NET (I), 2016** - Agricultural Process Engineering.

### **TEACHING EXPERIENCE:**

- **From 12 December 2024 started working as Assistant Professor** in the Department of Agricultural Engineering and Technology in the School of Engineering and Technology (SET), Nagaland University (NU), Meriema campus, Kohima, Nagaland.
- **Worked as Guest Faculty, since 28<sup>th</sup> February 2022 to 11 December 2024** in the Department of Agricultural Engineering and Technology in the School of Engineering and Technology (SET), Nagaland University (NU), Nagaland.
- **Worked as Assistant Professor, since November 2019 to November 2021** in Department of Food Processing Technology in the Bachelor of Vocational Course, T S Paul Manipur Women’s College, Mongsangei, Imphal West, Manipur.

## PROFESSIONAL TRAININGS

- **July 2021:** Attended and Cleared the online 40 hours Training Programme on Spices and Plantation Crop Processing for Training of Master Trainer for Food Micro and Small Enterprises, IIFPT, NIFTEM, MoFPI, Government of India.
- **12-15 July 2021:** Trainer's Training Programme on Employability, Entrepreneurship and Life Skills, conducted by NIESBUD, Ministry of Skill Development and Entrepreneurship, Government of India.
- **July 2014:** Summer placement training for 26 days at Central Institute of Post-Harvest Engineering and Technology, (CIPHET), Ludhiana, Punjab.
- **March 2013:** 24 days training at Southern Region Farm Machinery Training and Testing Institute, (SRFMTTI) Garladinne, Anantapur, A. P. India.
- **April-May, 2013:** 36 days experiential learning programme at Sikkim State Co-operative Supply and Marketing Federation Ltd., (SIMFED), Gangtok, East Sikkim.

## PUBLICATIONS

### Research Papers

- Wungshim Zimik, Chitrasen Lairenjam, **Ningthoujam Manda Devi**, Grace Nengzouzam, Mary N Odyuo, Lamneithem Hangshing (2024). Studies on Osmotic Dehydration of Beetroot (*Beta vulgaris*), Periodico di Mineralogia; 93(5):303-318.
- **Ningthoujam Manda Devi**, R.V. Prasad and Nukasani Sagarika (2018). A review on health benefits and nutritional composition of pumpkin seeds, International Journal of Chemical Studies; 6(3): 1154-1157.
- **Ningthoujam Manda Devi**, R.V. Prasad and Gaibimei Palmei (2018). Physico-chemical characterization of pumpkin seeds. International Journal of Chemical Studies 2018; 6(5): 828-831.
- Palmei Gaibimei, Owais Yousuf, Anupama Singh and **Ningthoujam Manda Devi** (2018). A study on phytochemical screening of celosia argentea var. cristata inflorescence extract. The pharma innovation. 7(10):284-287.
- Gaibimei Palmei, Sakare Priyanka, **Ningthoujam Manda Devi** and Poornima, S. (2017). Development and study on quality parameters of foam mat dried banana powder, International Journal of Agriculture Sciences, 9 (44):4715-4721.
- **Ningthoujam Manda Devi**; V.K.Chandegara, Bansee Devani and Palmei Gaibimei. (2016). Study on different physical properties of lime and aloe vera leaf for the preparation of aloe vera fortified

marmalade from lime, International journal of applied Agricultural and horticultural sciences, Green farming: 7(5); pp:1236-1239.

- Bansee. M. Devani; Bhavesh. L. Jani; Mansukhlal. B. Kapopara; Devendra. M. Vyas and **Ningthoujam.Manda Devi** (2016). Study on quality of white bread enriched with finger millet flour, International Journal of Agriculture, Environment and Biotechnology, 9(5); pp: 903-907.
- Devani, B.M.; Jani, B.L.; **Ningthoujam Manda Devi**; Vyas, D.M. and Cholera, S.P. (2016). Effect of blend ratio of finger millet flour on the physical properties of the wheat-finger millet bread, AGRES-An International e-Journal. 5(3).

### Articles

- Palmei Gaibimei, **Ningthoujam Manda Devi**, Mannu Wangsu (2022). 3 D Printing: Revolution in Food Industry. Agriculture and Food E-Newsletter: 4(6):516-519. (E-ISSN: 2581-8317).
- **Ningthoujam Manda Devi**, Palmei Gaibimei, Mannu Wangsu (2022). Pumpkin Seeds: An Underutilized Healthy and Nutritional Seeds. Agriculture and Food E-Newsletter: 4(7):498-499. (E-ISSN: 2581-8317).
- Wangsu Mannu, **Ningthoujam Manda Devi**, Palmei Gabimei (2022). Traditional Cultivation of Large Cardamom and its Management in India. Agriculture and Food E-Newsletter: 4(8):501-503. (E-ISSN: 2581-8317).
- **Ningthoujam Manda Devi**, Palmei Gaibimei, Mannu Wangsu (2022). Anishi: Natural Preservative Food of Nagaland. Agriculture and Food E-Newsletter: 4(12):497-498 (E-ISSN: 2581-8317).
- **Ningthoujam Manda Devi**, Palmei Gaibimei, Poornima S and Vandana. (2018). Cell alive system (CAS) freezing. Agrobios Newsletter: XVI (10); PP: 84-85.
- Poornima S, Vandana, **Ningthoujam Manda Devi** and Palmei Gaibimei. (2018). Pressurized liquid extraction of bioactives. Agrobios Newsletter: XVI (10); PP: 83-84.
- Vandana, **Ningthoujam Manda Devi**, Palmei Gaibimei and Poornima. (2018). Quinoa: Emerging wonder millet. Agrobios Newsletter: XVI (10); PP: 126-127.
- Poornima S., Vandana, **Ningthoujam Manda Devi** and Palmei Gaibimei (2017). Encapsulation of Food Compounds using Supercritical Carbon Dioxide as an Antisolvent, Agrobios Newsletter:XV(12);PP:134.
- **Ningthoujam Manda Devi**, Palmei Gaibimei, Poornima, S. and Vandana (2017). Amarnath Grain: Importance and its Uses, Agrobios Newsletter: XVI (01); PP: 36. ISSN 972-7027.
- Vandana, **Ningthoujam Manda Devi**, Palmei Gaibimei and Poornima, S. (2017). Millets: The Neglected Cereals, Agrobios Newsletter:XVI(01);PP:140.

- Palmei Gaibimei, Poornima S, Vandana and **Ningthoujam Manda Devi** (2017). The Different Products and Benefits of Durum Wheat Agrobios Newsletter:XVI(02);PP:24.
- Poornima S., Vandana, **Ningthoujam Manda Devi** and Palmei Gaibimei (2017).Chemical Toxicological Studies of Irradiated Foods, Agrobios Newsletter:XVI(04);PP:76.
- Palmei Gaibimei, Poornima S, Vandana and **Ningthoujam Manda Devi** (2017). Importance of Cryogenic Grinding, Agrobios Newsletter:XVI(04);PP:77.
- **Ningthoujam Manda Devi**, Palmei Gaibimei, Poornima, S. and Vandana (2017). Ultrasound Assisted Extraction of Food, Agrobios Newsletter:XVI(05);PP:142.
- Vandana, **Ningthoujam Manda Devi**, Palmei Gaibimei and Poornima, S. (2017). Herbal Nutraceuticals: New Weapon for treatment of Diabetis Melitus, Agrobios Newsletter:XVI(06);PP:138.
- Palmei Gaibimei, Poornima S, Vandana and **Ningthoujam Manda Devi**. (2017). Key importance of hurdle technology in food. Agrobios Newsletter: XVI (07); PP: 107-108.

#### **Proceedings (International and National)**

- Wungshim Zimik, Chitrasen Lairenjam, **Ningthoujam Manda Devi**, Pramod Chandra Dihingia, Grace Nengzouzam, Merenungla Ozukum and Lamneithem Hangshing (2023). Effect of Blanching on the Drying Kinetics and Behaviour of Beetroot (*Beta vulgaris*), Proceedings: National Seminar on Sustainable Emerging Approach in Agri-business Development, Department of Agricultural Economics, Nagaland University, School of Agricultural Sciences, Medziphema Campus, Nagaland, pp: 92-93, 1<sup>st</sup> -3<sup>rd</sup> November, 2023.
- Grace Nengzouzam, **Ningthoujam Manda Devi**, Wungshim Zimik, Pramod Chandra Dihingia, Chitrasen Lairenjam, A.K. Verma and Liza G. Kiba (2023). Biotechnological Waste Management for sustainable Agriculture, Proceedings: National Seminar on Sustainable Emerging Approach in Agri-business Development, Department of Agricultural Economics, Nagaland University, School of Agricultural Sciences, Medziphema Campus, Nagaland, pp: 90-91, 1<sup>st</sup> -3<sup>rd</sup> November, 2023.
- Chitrasen Lairenjam, Thungyani Humtsoe, Mesavino Pucho, Viyakho Kengurusie, Imnanuksung, Sumadrish Debnath, Chingao Konyak K., Liza Kiba, Pramod Chandra Dihingia, Grace Nengzouzam, **Ningthoujam Manda Devi** , Wungshim Zimik and A.K. Verma (2023). Case Study of Status of Spring Water: A Natural Resource in three Districts of Nagaland, Proceedings: National Seminar on Sustainable Emerging Approach in Agri-business Development, Department of Agricultural Economics, Nagaland University, School of Agricultural Sciences, Medziphema Campus, Nagaland, pp: 94-95, 1<sup>st</sup> -3<sup>rd</sup> November, 2023.

- Zimik, W., Lairenjam, C., **Ningthoujam Manda Devi**, Dihingia, P.C., Nengzouzam, G., Ozukum, M. and Hangshing, L. (2023). Studies on Osmotic Dehydration of Beetroot (*Beta vulgaris*), Proceedings: The Abstract of Book: International Conference on Natural Farming for Revitalizing Environment and Resilient Agriculture (NF-RERA, 2023). Pub: College of Agriculture, CAU, Imphal, pp: 110, ISBN: 978-81-947184-4-4, 17-19<sup>th</sup> March, 2023.
- Lairenjam, C., Dihingia, P.C., **Ningthoujam Manda Devi**, Nengzouzam, G., Khatso, V. and Khamo, M. (2022). Assessment of the potential rooftop rainwater harvesting- A case study for Nagaland, Proceedings: 56<sup>th</sup> Annual convention of India Society of Agricultural of Engineers and International Symposium on Agricultural Engineering Innovation for Global Food security, TNAU, Coimbatore, pp: 289-290, 9-11<sup>th</sup> November, 2022.
- Chitrasen Lairenjam, Grace Nengzouzam, Pramod Dihingia, Wungshim Zimik, and **Ningthoujam Manda Devi** (2022). A review on rejuvenation of water bodies for enhanced water scarcity over Nagaland. Proceedings: National Symposium cum Workshop on Springshed Management, scheduled on 18–19 November 2022, North Eastern Regional Institute of Water and Land Management (NERIWALM).
- **Ningthoujam Manda Devi**, V.K.Chandegara and Bansee Devani (2015). Effect of Blanching on Quality of Aloe vera Fortified Lime Marmalade, Proceedings: National Seminar on Emerging Trends in Food Quality and Safety, College of Food Processing Technology and Bio-energy, AAU, Anand, Gujarat, 15-16<sup>th</sup> October, 2015.
- Devani Bansee, **Ningthoujam Manda Devi**, D.M. Vyas and M. B. Kapopara (2015). Effect of unmalted Finger Millet flour on physical, nutritional and rheological quality of white bread enriched with unmalted Finger Millet flour, Proceedings: National Seminar on Emerging Trends in Food Quality and Safety, College of Food Processing Technology and Bio-energy, AAU, Anand, Gujarat, 15-16<sup>th</sup> October, 2015.