



Er. Wungshim Zimik

Assistant Professor

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Qualification:

Ph.D – Tezpur University, Assam (Pursuing)

M.Tech. – Punjab Agriculture University, Punjab

B.Tech. – North Eastern Regional Institute of Science and Technology, Arunachal Pradesh

Diploma - North Eastern Regional Institute of Science and Technology, Arunachal Pradesh

Achievements:

GATE, (2008); ICAR, JRF (2009); ASRB NET, (2011, 2015, 2018)

Memberships:

- Indian Society of Agricultural Engineering (ISAE) - Life member
- Association of Food Scientists & Technologists India (AFSTI) – Life member
- Agri-India Today – Life member

Publications/ Proceedings/ Articles

- Wungshim Zimik, Amardeep Kumar, Arjuara Begum, & Brijesh Srivastava (2022). Degradation Kinetics of Vitamin C and Polyphenol Oxidase on Cold Plasma Treatment of Strawberry Juice. Proceedings: *International Conference on Food Research Development and applications*; Pp: 71, 15th February 2022.
- Amardeep Kumar, Wungshim Zimik, Md. Rahat Mahboob, Brijesh Srivastava (2022). Standardization of Pineapple Juice (°Brix/Acid) for Ohmic Heating Performance. Proceedings: *International Conference on Food Research Development and applications*; Pp: 45, 15th February 2022.
- Prashant Kumar, Wungshim Zimik, Amardeep Kumar, Arzuara Begum, Brijesh Srivastava (2022). Nanofluid-Assisted Cold and Hot Break Treatment in Tomato Juice. Proceedings:

International Conference on Food Research Development and applications; Pp: 76, 15th February 2022.

- Amardeep Kumar, Wungshim Zimik, Md. Rahat Mahboob, Brijesh Srivastava (2022). Heating Performance of Fresh Fruit Juices during Continuous Ohmic Heating. 28th *Indian Convention of Food Scientists and Technologists*. 20th – 22nd January, 2022.
- Amardeep Kumar, Wungshim Zimik, Arjuara Begum, & Brijesh Srivastava (2021). Bromeliane Inactivation of Pineapple Juice by Ohmic Heating and its effect on quality attributes. *International Conference on Emerging Technologies in Food Processing*; Pp: 37, March 25th – 26th March, 2021.
- Wungshim Zimik, Amardeep Kumar, Arjuara Begum, Arup Das and Brijesh Srivastava. Non-thermal cold plasma treatment for shelf-life enhancement of fresh strawberries (Sweet Charlie) for improving commerciality. *International Conference on Sustainable Approaches in Food Engineering and Technology (SAFETY-2021)*, 24th – 25th June, 2021.
- Amardeep Kumar, Wungshim Zimik, Arjuara Begum and Brijesh Srivastava. Enzyme inactivation and physico-chemical changes in pineapple juice in batch type ohmic heating system. *International Conference on Sustainable Approaches in Food Engineering and Technology (SAFETY-2021)*, 24th – 25th June, 2021.
- Pramod Chandra Dihingia, Chitrasen Lairenjam, Wungshim Zimik & Prasana Kumar G.V (2020). Ergonomic evaluation of tea leaf plucking in Assam. *Indian Journal of Hill Farming*; 33(1): 92-99.
- Zimik W, Lairenjam C, Dihingia P C, Malswamtluanga, Vezhulu, Jamir T & Khezhe K (2017). Optimization of osmotic dehydration parameters of oyster mushroom (*Pleurotus ostreatus*) *Nagaland University Research Journal*, 10, 114-128.
- Wungshim Zimik, Anand Kumar Pathula, Angom Ingocha Singh, Chitrasen Lairenjam, Choyivolu Khesoh, Sabita Basnett & Bijay Chhetri (2014). Drying characteristic and mathematical modeling of fresh and blanched fermented bamboo shoot. (*Dendrocalamus hamiltonu*), *Nagaland University Research Journal*, 7, 208-223.
- Angom Ingocha Singh, Anand Kumar Pothula and Wungshim Zimik (2014). Measurement of power requirement and field performance evaluation of manually operated large cardamom de-tailing machine, *Proceedings: National conference on Emerging Technology Trends in Agricultural Engineering*, Pp: 159-163. Nov 7th – 9th, 2014.
- W. Zimik, P.A. Kumar A.I. Singh, G. Nengzouzam and D. Roy (2014). Optimization of process parameters for spray drying of pineapple juice of Arunachal Pradesh (India) using response surface methodology, *Proceedings: National conference on Emerging Technology Trends in Agricultural Engineering*, Pp: 164-171, Nov 7th – 9th, 2014.
- Anand Kumar Pothula, Wungshim Zimik and Angom Ingocha Singh (2013) Effect of blanching methods on drying kinetics of Bamboo Shoot. *The 47th Annual Convention of ISAE and International Symposium on "Bio-Energy-Challenges and opportunities"*. PDFE-2013-PAC-20. Pp-115
- Wungshim Zimik, Mahesh Kumar, Satish Kumar and Ashok Kumar (2012). Spray drying

of Tomato juice. *National Seminar on Sustainable Agriculture and Food Security: Challenge in changing climate*. Pp- 337. March 27-28, 2012.

- K.N. Dewangan, **W. Zimik** and K.B.N. Sharma (2011) Tractor seat vibration in field operation. *The 45th Annual Convention of ISAE and International Symposium on water for Agriculture*. FMP-3.10
- Brijesh Srivastava, K. Padameshore Singh and Wungshim Zimik (2009) Effect of blanching methods on drying kinetics of Oyster mushroom. *International Journal of Food Engineering*. Vol 5, Issue 4, Article 2

Invited Lecture:

Food Processing in Nagaland, Conference on “Startups and MSMEs in Food Processing. National Research Centre on Mithun, (ICAR), (Govt. of India.) Jharnapani. 23rd July 2018.