

ANJALI THAKUR



Ph.D Agricultural and Food Engineering
Indian Institute of Technology Kharagpur
Email- anjalithakur.pooja@gmail.com
Phone- +919437670264
Date of Birth: 8th Oct, 1993
Place of Birth: Bhawanipatna, Odisha, India

EDUCATION

- | | |
|---------------|---|
| 2018- present | Ph.D Agricultural and Food Engineering
Indian Institute of Technology Kharagpur
➤ Topic: Development of Process technology for the Manufacture of Carbonated Grain Beverage Premix
Advisor: Prof. H N Mishra |
| 2016- 2018 | Master of Technology (Food Process Engineering)
Indian Institute of Technology Kharagpur, India
Topic: Development of cereal based carbonated beverage
Advisor: Prof. H N Mishra
➤ Final Grade: 9.42/10 (1st Rank) |
| 2012- 2016 | Bachelor of Technology (Agricultural Engineering)
CAET, Odisha University of Agriculture and Technology (OUAT), Bhubaneswar, India
➤ Project: Optimization of Process Variables for Spherification of fruit juice
Advisor: Prof. Dr. Kalpana Rayaguru
➤ Final Grade: 8.86/10 (1st Rank) |
| 2011 | SSE and SSCE Degree (Science)
Jawahar Navodaya Vidyalaya , Narla, Kalahandi, Odisha, India (CBSE Board)
➤ Final Grade (10 th): 87.8% (2009)
➤ Final Grade (12 th): 87.6% (2011) |

CERTIFICATION & TRAININGS UNDERGONE

- | | |
|------------------|---|
| 5/2013- 7/2013 | Summer training at CAET on “Preparation of RTS, value added products from ragi, potato chips, kurkure, mango bars, tomato ketchups, cakes. |
| 8/2016- 12/ 2016 | Completed four months of In-plant training at Odisha lift irrigation corporation ltd. (OLIC) bhubaneswar. |

PUBLICATIONS/PATENT

- ✓ Thakur, A., Pandey P. and Mishra H. N. (2018) Effect of Roasting Process Parameters on Physicochemical, Functional, Microstructural and Thermal Properties of Food Grains: Maize (*Zea mays*), Bengal gram (*Cicer arietinum*), and Finger millet (*Eleusine coracana*). *Journal of Food Science and Technology*. (Communicated, Under review)
- ✓ Mishra, H. N., Pandey, Pooja, Thakur, Anjali. (2018). Cereal based carbonated beverage/ mix and a process thereof. Indian Patent 201831039706, Indian Institute of Technology Kharagpur, West Bengal, India.

INTERNATIONAL AND NATIONAL CONFERENCES/ PRESENTATIONS

- ✓ Thakur, A. and Mishra, H. N. (2019) Production of a Novel Functional Grain Beverage using Pearl Millet

(*Pennisetum glaucum*) Malt and Probiotic Bacteria (*Lactococcus Lactis*). AFP 2019, NIT Rourkela, Odisha, India.

- ✓ Thakur, A., Pandey, P. and Mishra, H. N. (2018) Formulation of energy drink powder premix using linear programming. 19th IUFOST 2018 World Congress, 23-27 October 2018, Mumbai, India.
- ✓ Thakur, A., Dalbhagat, C. G. and Mishra, H. N. (2018). Effect of Roasting on Physico-chemical and Functional Properties of maize (*Zea mays*) and Bengal gram (*Cicer arietinum*) Flours. 3rd International Conference on Food Properties, 22-24 January 2018, Sharjah, UAE.
- ✓ Thakur, A., Pandey, P. and Mishra, H. N. (2017). Effect of recirculatory hot air oven roasting on physico-chemical and functional properties of maize (*Zea mays*), Bengal gram (*Cicer arietinum*) and ragi (*Eleusine coracana*) flours. 26 th Indian Convention of Food Scientists and Technologists, 7-9 December 2017, CSIR-IICT, Hyderabad.

FELLOWSHIPS AND AWARDS/HONOURS

- **Gandhian Young Technological Innovation Awards/Appreciations (GYTI) (2019)**, Development of Process Technology for Manufacture of RTD Carbonated Grain Beverage, Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI), Vigyan Bhavan, New Delhi, India.
- **Young Student Invention Award (2018)**, Department of Agricultural and Food Engineering, Indian Institute of Technology Kharagpur for contribution in patent entitled 'Process Technology for the Development of Cereal Based Carbonated Beverage mix' filed in Indian jurisdiction.
- **Qualified National Eligibility Test (NET-II 2018)**.
- **Received Scholarship of Ministry of Human Resources Development (MHRD)**, Government of India for pursuing M. Tech in Food Process Engineering.
- **Received Gold Medal for securing highest OGPA** in Department of Agricultural Processing and Food Engineering in B. Tech (2016).
- **Received DUPONT NutriScholars Award** for the academic year 2018-2019.
- **Secured All India 12th Rank** (Score 814) in Graduate Aptitude Test in Engineering (GATE-2016).
- **Batch Girls Topper** in 12th CBSE board examination.

RESEARCH INTEREST

- | | |
|--|---------------------------------|
| ➤ Carbonation | ➤ Instant carbonated beverage |
| ➤ Food formulation | ➤ Food formulation |
| ➤ Grain based premix and product development | ➤ Extrusion |
| ➤ Rheology | ➤ Sensory evaluation techniques |

REFERENCES

- **Prof. H N Mishra**
Professor
Department of agricultural and food engineering
Indian Institute of Technology Kharagpur
Contact no- 9434414288
E-mail- hnm@agfe.iitkgp.ernet.in

DECLARATION: I hereby declare that, the above-mentioned information furnished by me are true to the best of my knowledge and belief.

Anjali Thakur

Anjali Thakur