



RAVI KUMAR, Ph.D.

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Dr. Ravi Kumar, graduated from H.B.T.I., Kanpur in Food Technology submitted his Ph. D. Thesis in Food Technology from H.B.T.U, Kanpur in 2021. He has one year of industrial and about ten years of academic experience. His areas of interest are Fruit and Vegetable Processing, Value Added Food Products, Food Safety & Quality Assurance, Food Engineering, Beverage Processing etc. He has published papers in the reputed journals and served as reviewer of scientific journals. He has attended several FDP, workshops and conferences. He has organized several webinars, seminars, symposium, expert lectures and faculty development program. He has been working as Coordinator of Department of Food Technology, I.E.T. from last two years. He is also member of various academic societies such as AFST(I) [Association of Food Scientists & Technologists (India)], ABEFT (Association of Biochemical Engineers and Food Technologists), HBTU etc.

RESEARCH INTERESTS

Fruit & Vegetable Processing
Food Processing Waste Management
Food Products Formulation
Value added Cereal and Bakery Products
Millet Based Food Products

COURSES OFFERED

Food Composition & Human Nutrition
Food Engineering
Process Calculations
Speciality Foods
Food Quality
Nutritional Aspects of Natural & Processed Foods

EDUCATIONAL CREDENTIALS

Ph. D. (Chemical Technology-Food Technology) Dr. A.P.J. Abdul Kalam Technical University, Lucknow Production of enzyme clarified juices from selected Indian tropical fruits	2021
M. Tech. (Chemical Technology with specialization in Food Technology) Harcourt Butler Technological Institute, Kanpur Dissertation Topic: Studies on the production of no sugar added mango jam by using different hydrocolloids.	2012
B. Tech. (Chemical Technology-Food Technology) Harcourt Butler Technological Institute, Kanpur, Percentage: Dissertation Topic: Studies on the effect of various drying processes on the yield of essential oil obtained from lemongrass.	2009

TEACHING EXPERIENCE

Bundelkhand University, Jhansi

August 2013- Present

Assistant Professor, Department of Food Technology Engineering, Institute of Engineering & Technology

Harcourt Butler Technological Institute, Kanpur

July 2012-August 2013

Guest Lecturer, Department of Biochemical Engineering and Food Technology

PROFESSIONAL TRAINING & INDUSTRIAL EXPERIENCE

Radico Khaitan Limited (Rampur Distillery), Rampur

July 2009-August 2010

Graduate Engineer Trainee, Blending Department

Allahabad Canning Company, Allahabad

June 2008 - July 2008

Summer Trainee in Production and Quality Control

ASSOCIATED ACADEMIC/ADMINISTRATIVE RESPONSIBILITIES

- Working as Coordinator-Department of Food Technology Engineering, I.E.T., B.U., Jhansi.
- Member-Career Counselling Cell, Bundelkhand University, Jhansi
- Member- Advertising and awareness Cell, Bundelkhand University, Jhansi
- Member of Academic Committee- I.E.T., B.U., Jhansi.
- Member of Ordinance Committee- I.E.T., B.U., Jhansi.
- Member-Entrepreneurship Cell- I.E.T., B.U., Jhansi.
- Coordinator-TNP, Department of Food Technology Engineering, I.E.T., B.U., Jhansi.
- Member-NBA committee, I.E.T., B.U., Jhansi.
- Deputy-Coordinator, Industry Interaction, I.E.T., B.U., Jhansi.
- Member- Time table committee, I.E.T., B.U., Jhansi.
- Member Board of Studies for Food Technology Science discipline at Bundelkhand University, Jhansi.
- Member Board of Studies for Food Technology Engineering discipline at Bundelkhand University, Jhansi.
- Faculty adviser of “Association of Food Scientists & Technologists (I.E.T.)”, Bundelkhand University, Jhansi.
- Member of the purchase committee of the Department of Food Technology Engineering, B.U., Jhansi.
- Worked as “Center Superintendent” for conducting university examinations at Baba Dhan Singh Risaldar Mahavidyalaya, Anand Nagar, Anda, 2014.
- Worked as “Librarian” in B.E.F.T., Department in H.B.T.I., Kanpur during 2007-09.

PAPERS PRESENTED IN SEMINAR/CONFERENCES

- “Application of Biodegradable Polymers in Food Packaging”, I.E.T., Bundelkhand University, Jhansi, 2014.
- “Sensory Directed Flavour Analysis”, H.B.T.I., Kanpur, 2012.
- “Comparative Studies on the Drying Characteristics of Lemongrass & yield of Essential oil”, R.B.S. College, Agra, 2011.
- “Manufacture of Potato Chips, French Fries and Potato Granules”, H.B.T.I., Kanpur, 2008.

TRAINING/SEMINAR/WORKSHOP/FDP ATTENDED

- Participated in two weeks faculty development and motivational workshop “STEAM-2022” organized by Bundelkhand University, Jhansi and Shiksha Sopan, Kanpur, 2022.
- Participated in workshop on “Problem Based and Project Based Learning” jointly organized by State Project Implementation Unit-UP and I.E.T., Bundelkhand University, Jhansi, 2020.
- Participated in Faculty Development Webinar on “Dimensions and Degrees of Higher Education” organized

by I.E.T., Bundelkhand University, Jhansi, 2020.

- Participated in “Micro-review of program preparedness for NBA accreditation” organized by State Project Implementation Unit-UP, 2020.
- Participated in national webinar on “Virtual Lab” organized by R.L.A. University and SPIU, UP, 2020.
- Participated in an online workshop on “Interactive Teaching and Experimental Learning using MATLAB and Simulink” organized by State Project Implementation Unit-UP (A unit of Ministry of HRD, Govt. of India), 2020.
- Participated in one-week Faculty Development Programme (FDP) on “Recent Trends in Robotics, Control and Instrumentation” under TEQIP-3, at Bundelkhand University, Jhansi, 2019.
- Attended one-day workshop on MATLAB at Bundelkhand University, Jhansi, 2019.
- Participated in International Conference on “Digital Pedagogies: Changing Mindsets for Sustainable Learning”, at A.I.C.T.E., New Delhi, 2019.
- Participated in one-day workshop on “NBA Accreditation: from Output to Outcome” organized by State Project Implementation Unit-UP (A unit of Ministry of HRD, Govt. of India), 2019.
- Participated in two day’s workshop on “Blended Learning and ICT for Teaching” organized by G.A.D. Teaching and Learning Centre of MHRD, SGTB Khalsa College, University of Delhi and Bundelkhand University, Jhansi, 2019.
- Participated in awareness seminar on “e-Learning and MOOCs in Higher Education” organized by G.A.D. Teaching and Learning Centre of MHRD, SGTB Khalsa College, University of Delhi and Bundelkhand University, Jhansi, 2019.
- Participated in TEQIP-3 sponsored two days’ workshop on “Outcome Based Accreditation for Undergraduate Engineering Program” at Bundelkhand University, Jhansi, 2018.
- Attended one-week Faculty Development Programme (FDP) on “Soft Computing” under TEQIP-3, at Bundelkhand University, Jhansi, 2018.
- Attended two day’s national workshop on “Recent Trends in Engineering & Technology” at G.J.U.S.T., Hisar under twinning arrangement of TEQIP-3, 2018.
- Participated in two-days workshop on “Advanced analytical techniques in chemical and allied industries“ at B.I.E.T., Jhansi, 2018.
- Participated in awareness program on “Intellectual Property Rights” at Bundelkhand University, Jhansi, 2018.
- Participated in national seminar on “Importance and Relevance of Moral Education in Higher Education ” at Bundelkhand University, Jhansi, 2018.
- Participated in two-days’ workshop on “Introduction and Application of Virtual Instrumentation “ at Bundelkhand University, Jhansi, 2018.
- Participated in one-day author workshop on “How to Write and Publish Scientific Articles and Manuscripts” jointly organized by Springer Nature and Bundelkhand University, Jhansi, 2017.
- Attended and volunteered International Conference on Soft-Computing: Theories and Applications (SoCTA) AT Bundelkhand University, Jhansi, 2017.
- Attended faculty development program on “Emerging Trends in Food and Bioprocess Industries”, at H.B.T.I., Kanpur, 2017.
- Attended workshop on “Research Methodology” at Bundelkhand University, Jhansi, 2014.
- Attended international seminar on “Food Processing Industry: New Entrepreneurial Opportunity with Sustainable Business Patterns with Special Focus on Basics to Bakery Modernization”, at Institute of Food Technology, Bundelkhand University Jhansi, 2014.
- Attended “Biofuturity-2014” a national coferece on “Current Scenario and Future Trends in Biotechnology”, at Bundelkhand University, Jhansi, 2014.
- Attended application training on “GC Mass Spretrophotometer”, at Innovation Center-Bundelkhand University, Jhansi, 2014.
- Attended faculty development program on “Advances in Enzyme Production & their Industrial Application” at H.B.T.I., Kanpur, 2013.
- Attended NAFSAT-2011, a national conference on “Newer Advances in Food Science and Technology”, at R.B.S. College, Agra, 2011.
- Attended training on “Lean Management System” at R.K.L., Rampur, 2009.
- Attended training about 'Whisky Flavours and their Origin' by Dr. James Swan at R.K.L., Rampur, 2009.
- Attended training on “Emotional Intelligence” by Tapas Das Mohapatra (Think Inc.) at New Delhi, 2009.

- Attended Genesis-2006, 2009, 2011, and 2013 (National Seminar of BEFT Department) at HBTI, Kanpur.

CONTRIBUTION IN ORGANISING TRAINING/SEMINAR/OTHER ACTIVITIES

- Convened seminar on “Impact of Food Processing Sector on Indian Economy”, at Bundelkhand University, Jhansi, 2020.
- Convened an International Webinar on “Challenges and Opportunities in Global Food Sector”, 2020.
- Organized a National Webinar on “Novel Approaches to Overcome Impact of Current Pandemic on Food Sector”, 2020.
- Organized national conference BIOFUTURITY-2018 on “Current Scenario and Future Trends in Biotechnology” at Bundelkhand University, Jhansi, 2018.
- Organized national symposium on “Food and Nutrition Security” under TEQIP-3 at Bundelkhand University, Jhansi, 2018.
- Organized one day food safety training on “Food Adulteration Analysis” in collaboration with Institute of Transgene Life Sciences, Lucknow at Bundelkhand University, Jhansi, 2016.
- Worked as “Convener” of Felicitation and Transport committee in Genesis-2013 (A Golden Jubilee National Seminar of BEFT Department of H.B.T.I., Kanpur).
- Worked as “Coordinator” of quiz competition on 122th birth anniversary of Dr. B. R. Ambedkar, organized by Council of Student Activities at H.B.T.I., Kanpur, 2013.

MEMBER OF PROFESSIONAL SOCIETIES

- Member of “Association of Food Scientists and Technologists (India)”.
- Life Member of “Association of Biochemical Engineers and Food Technologists” (ABEFT).
- Member of “Association of Food Scientists and Technologists (I.E.T.)”, B.U..

PUBLICATIONS

- Ravi Kumar and Alak Kumar Singh, 2019. Clarification of Guava (*Psidium Guajava*) Fruit Juice Using Multi-Enzyme Treatment: Optimization of Processing Parameters, *International Journal of Innovative Technology and Exploring Engineering*, 8 (12), pp. 5266-5279.
- Ravi Kumar and Alak Kumar Singh, 2019. Effect of Multi-Enzyme (Pectinase, Cellulase and Hemicellulase) Treatment on Clarification of Papaya (*Carica papaya*) Fruit Juice. *International Journal of Recent Technology and Engineering*, 8 (4), pp. 12708-12721.
- Ravi Kumar and Alak Kumar Singh. Effect of Enzyme Treatments on Banana (*Musa sp.*) Fruit Juice: Optimization Study on Processing Parameters to Produce Clarified Product. Communicated in Journal: *Indian Journal of Chemical Technology (IJCT)*. (Status: Communicated: In Review).