

**Dr. Rubrinder Singh Sandhu** earned a B.Tech, M.Tech., Ph.D. (Food Technology) from institutes of notational esteem, India. He has more than 17 years of work experience that includes academics, administration and food industries experience. His research area includes food extrusion, value addition in rice extrudates, quality of honey, oil seed processing, structure and morphology of food products, process optimization, and storage characteristics of different foods. He has contributed over 20 scientific papers in different national/international journals and conferences. He has 4 patents and 2 books in his credit. He is reviewer of Food chemistry, Food chemistry-X and JFST journals. He is a Life member of many professional bodies. He may be contacted at [rubrinder@gmail.com](mailto:rubrinder@gmail.com) or +91-9467874415.



## **Brief Resume**

### **Dr. Rubrinder Singh Sandhu**

**Present Post:** Assistant Professor of Food Technology      Contact: 9467874415  
CDLSIET, Panniwala Mota, Sirsa, Haryana      e-mail: rubrinder@gmail.com

**Teaching Experience (More than 17 years):** 31.01.2006- till date

### **Online Links:**

<https://scholar.google.com/citations?user=3UqElQQAAAAJ&hl=en>

<https://www.researchgate.net/profile/Rubrinder-Sandhu-2>

<https://orcid.org/my-orcid?orcid=0000-0002-4303-5858>

### **Technical Qualifications:**

- **NET** (Food Technology).
- **Ph.D.** in Food Sci. & Tech. from Guru Nanak Dev University, Amritsar.
- **M.Tech.** in Food Engineering & Tech. from SLIET, Longowal/ PTU, Jalandhar.
- **B.Tech** in Food Technology from SLIET, Longowal/PTU, Jalandhar.
- **Diploma & Certificate course** in Food Processing & Pres. from SLIET, Longowal.

## Publications

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- International/ National Journals: 07
- International/National Conferences: 11
- Patents granted 04
- Books 02
- Editor of book 01
- Reviewer of Journals(Springer) 03
- Expert Lectures delivered 04

## Research Details

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### Research papers

- Sandhu, R. S., Singh, N., Kaler, R. S. S., & Singh, B. (2019). Optimization of process parameters for preparation of rice extrudates from short and long Indica rice cultivars milled to varying degree of milling. *Journal of food science and technology*, 56(5), 2467-2479.
- Kamboj, R., Sandhu, R. S., Kaler, R. S. S., Bera, M. B., & Nanda, V. (2019). Optimization of process parameters on hydroxymethylfurfural content, diastase and invertase activity of coriander honey. *Journal of Food Science and Technology*, 1-10.
- Rubrinder Singh Sandhu, Narpinder Singh, RSS Kaler, Amritpal Kaur, Khetan Shevkani (2018) Effect of milling on physicochemical, structural, pasting and cooking properties of short and long Indica rice cultivars. *Food chemistry*, 260; 231-238. (NAAS RATING 10.53).
- Rubrinder Singh sandhu, Rajni Kamboj and Bhupinder Singh (2017) “Textural, Color and Sensory Attributes of High Fiber Cookies Supplemented with Oatmeal Flour” *IJCA (ICEAT-2017)*, 4:21-24.
- B Singh, RS Sandhu, R Kamboj (2014) Effect of Different Pretreatment on Convective Drying Kinetics of Soft Pear, *Research & Reviews: Journal of Food Science & Technology*, 3 (3):23-27.
- Sandhu RS, Sarkar BC, Sharma HK, Charanjiv Singh (2008) Oil extractability from enzymatically treated sesame (*Sesamum indicum*) seed. *Journal of Food Science and Technology*, 510-512. (NAAS RATING 7.24).

### International/ national conferences

- Rubrinder Singh Sandhu (2023). “Enhancing nutritive and acceptability value in gluten free rice extrudates” 4th Edition of Euro-Global Conference on Food Science and Technology (WCFTN 2023) Online event, Lumiminds Conventions, London, UK.

- Bhupinder Singh, Rubrinder Singh Sandhu and Ravinder Kaur (2018). “Vitamin C and phenolic compound in fruits and vegetables: A Review”. at SLITCON-2019 organized by SLIET, Longowal on 01.03.2019.
- Rubrinder Singh Sandhu, Rajni Kamboj and Bhupinder Singh (2017). “Textural, color and sensory attributes of high fiber cookies supplemented with oatmeal flour”. 5th International Conference on Advancements in Engineering & Technology organized by Bhai Gurdas Institute of Engineering and Technology, Sangrur on dated March 24-25, 2017, ICAET-2017, pp. 703-707.
- Bhupinder Singh, Rubrinder Sandhu, Rajni Kamboj and Priyanka Handa (2017). “Green tea as health drink: A review” National Conference on “Futuristic Environmental Challenges”, Bharat Group of Colleges, Sardulgarh on dated February 16-17, 2017.
- Rubrinder Singh Sandhu, Rajni Kamoj and Bhupinder Singh (2012) “Comparative study of quality characteristics of cookies fortified with oatmeal flour,” International conference on Food technology for health promotion organized by International institute of food and nutritional sciences on dated December 27-28, 2012, ICFTHP2012, pp.22.
- Rajni Kamoj and Rubrinder Singh Sandhu (2012). “Optimization of whole wheat flour and semolina for preparation of Pizza base using response surface methodology,” International conference on Food technology for health promotion organized by International institute of food and nutritional sciences on dated December 27-28, 2012, ICFTHP2012, pp.21.
- Sandhu Rubrinder Singh, Singh Bhupinder and Kamboj Rajni (2011) “Comparative study of probiotic dairy food-yoghurt,” International conference on functional dairy foods held at National Dairy Research Institute, Karnal, November 16-19, 2011.
- R. Kamboj, R.S Sandhu and B. Singh (2011) “Role of biosensors: Food safety assessment,” National conference on new horizons in bioprocessing of food organized by Department of Food engineering and Technology, SLIET, longowal on on Feburary 25-26, 2011, NHBF-2011 abstracts, pp-56.
- Rubrinder Singh Sandhu, RSS Kaler, Narpinder Singh (2016) Effect of additives and extrusion temperatures on physico-chemical & textural properties of rice extrudates. 25th Indian convention of Food Scientists & Technology, 10-12 Nov 2016, GNDU, Amritsar.
- RSS Kaler, Rubrinder Singh Sandhu, Narpinder Singh (2016) Effect of milling levels on physicochemical and emulsifying properties of rice. 25th Indian convention of Food Scientists & Technology, 10-12 Nov 2016, GNDU, Amritsar.
- Rubrinder Singh Sandhu, Narpinder Singh & RSS Kaler (2018). Comparison of physical measurement of morphological properties of rice extrudates with bio-imaging. Punjab Science congress, PAU, Ludhiana

## Patents

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- Patent on Milk Analyzer, design number 363763-001
- Patent on Adulteration Monitoring Device , design number 364429-001

- Patent on Seed Quality Analyzer, design number 365447-001
- Patent on Vegetable Quality Analyzer, design number 367710-001

### **Books published**

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- Dr BarinderJit Singh, Dr Bhupinder Singh, Dr Rubrinder Singh Sandhu and Dr Yashi Srivastava (2022) Fundamentals of Total Quality Management. Published By Book Rivers, ISBN: 978-93-5515-379-1.
- Dr. Rubrinder Singh Sandhu, Barinderjit Singh, Dr Yashi Srivastava (2023) Research Methodology- A Perspective. Published By Book Rivers, ISBN: 978-93-5515-632-7

### **Membership of Academic/ Professional Bodies**

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- Member of UG-Board Of studies in Food Technology at CDLU, Sirsa (Haryana).
- Life member of AFSTI.
- Life member of ISTE.
- Life member of Dairy Society of India.
- Life member of Indian Red cross society.

### **Major administrative duties/ charges handled**

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- Deputy Registrar
- Officer Incharge Academic.
- Conducted AICTE Extension of Approval.
- Officer Incharge Examination.
- Programme Officer (NSS).
- Member TPO cell.
- Officer Incharge Store & Purchase.
- Warden Boys Hostel.
- Centre Superintendent in various University exams.
- SPIO
- Nodal officer of CM & PM window.
- Duty Magistrate in Assembly and State elections.



**(Dr. Rubrinder Singh Sandhu)**