

## CURRICULUM VITAE

### Dr. Soumitra Tiwari

Assistant Professor

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**Field of Interest:** Dairy, Traditional Food, Emerging Technology, Nutrition and Agricultural Processing



## EDUCATION

- 2017-2023**            **Ph.D.** in the Department of **Chemical Engineering, Institute of Technology, Guru Ghasidas Viswavidyalaya,** (Central University) Bilaspur, (CG)
- 2009-2011**            **M. Tech.** in **Agricultural Processing and Food Engineering** with OGPA of 8.23/10 in 2011 from Faculty of Agricultural Engineering, **Indira Gandhi Agricultural University,** Raipur (CG)
- 2004-2008**            **B. Tech.** in **Dairy Technology** with OGPA of 6.28/10 in 2008, from College of Dairy Technology, **Indira Gandhi Agricultural University,** Raipur (CG)

## ACADEMIC EMPLOYMENT

- JUNE 2013- Present**        **Assistant Professor,** Department of Food Processing and Technology  
Bilaspur University, Bilaspur C.G
- JAN. 2012- JUNE 2013**      **Research Scholar,** Dept. Processing and Food Engineering, Punjab Agricultural University and Central Institute of Post Harvest Engineering and Technology, Ludhiana P.B.
- JULY 2011- JAN. 2012**      **Lecturer** at Chhattisgarh Agriculture Engineering College, Bhilai, Durg C.G.
- JULY 2008-JULY 2009**      **Research Associate** at Environment Audit in Nava Anjor C.G. Govt. Project. Samaj Vikash Org., A World Bank Consultant

## HONOURS AND AWARD

- 2015**      **BEST PAPER AWARD**  
Awarded for paper entitled "Gasification on Agricultural Residues" in National Conference held at **Bilaspur University, Bilaspur (CG)**
- 2013**      **UNIVERSITY GOLD MEDAL**  
Awarded for M.Tech. (Agril. Engg.) examination during 2010-2011 session by **Indira Gandhi Krishi Vishwavidyalaya, Raipur (CG)**
- 2012**      **SECOND BEST ORAL PRESENTATION AWARD**  
In The International Conference on Food Technology for Health Promotion Organised by **IIFANS** held at **Jawaharlal Nehru University, New Delhi**
- 2012**      **INSPIRE FELLOWSHIP AWARD**  
Awarded merit fellowship for pursuing Ph.D. Program by **Directorate of Science and Technology, Govt. of India, New Delhi**
- 2012**      **ICAR'S SENIOR RESEARCH FELLOWSHIP [ICAR-SRF (PGS)]**  
By **Indian Council of Agricultural Research, Krishi Anushandhan Bhavan, Pusa, New Delhi**
- 2012**      **ICAR NET QUALIFIED ON POST HARVEST ENGINEERING AND TECHNOLOGY**

## ADMINISTRATIVE EXPERIENCE

- AUGUST 2014 –**      **DIRECTOR (I/C),** Physical Education and Sports, Atal Bihari Vajpayee  
**MARCH 2018 &**      University, Bilaspur (CG)  
**SEPT-2018-**  
**PRESENT**
- AUG 2016 –JAN**      **Head of the Department of Yoga Science (I/C),** Atal Bihari Vajpayee  
**2021**      University, Bilaspur C.G.
- 2014-2019**      **Librarian, Central Library (I/C),** Atal Bihari Vajpayee University,  
      Bilaspur. C.G.
- JUNE 2019-FEB**      **Public Relation Officer (PRO),** Atal Bihari Vajpayee University,  
**2022**      Bilaspur. C.G.
- AUG 2021-**  
**Nov-2022**      **Vehicle Incharge,** Atal Bihari Vajpayee University, Bilaspur.  
**AUG 2021-**  
**PRESENT**      **Store Incharge,** Atal Bihari Vajpayee University, Bilaspur.

## **PROJECT**

**2013**      **A JOINT STUDY CONDUCTED BY:** Indian Oil-CREDA Biofuels Limited  
Chawla Towers, Shankar Nagar, Raipur and Bilaspur University, Bilaspur  
(CG) on Feasibility Report on Installation of Rice Husk Power Plant in  
Bilaspur (C.G)

## **ORGANISE NATIONAL LEVEL EVENT**

<b>YEAR</b>	<b>Program Name</b>	<b>Role</b>
<b>2015</b>	<b>Association of Indian Universities- EAST ZONE INER- UNIVERSITY KABADDI (MEN) TOURNAMENT, BILASPUR (C.G.)</b>	<b>Organising Secretary</b>
<b>2018</b>	<b>National Seminar on “Indigenous Foods: How to Promote it”</b>	<b>Convenor</b>
<b>2018</b>	<b>Association of Indian Universities- EAST ZONE INTER- UNIVERSITY BADMINTON (WOMEN) TOURNAMENT, BILASPUR (C.G.)</b>	<b>Organising Secretary</b>
<b>2019</b>	<b>University Food Festival</b>	<b>Secretary</b>
<b>2019</b>	<b>Association of Indian Universities-EAST ZONE INTER- UNIVERSITY BADMINTON (MEN) TOURNAMENT, BILASPUR (C.G.)</b>	<b>Organising Secretary</b>
<b>2021</b>	<b>Association of Indian Universities- EAST ZONE INTER- UNIVERSITY HOCKEY (MEN) TOURNAMENT, BILASPUR (C.G.)</b>	<b>Organising Secretary</b>
<b>2022</b>	<b>Association of Indian Universities- EAST ZONE INTER- UNIVERSITY HOCKEY (MEN) TOURNAMENT, BILASPUR (C.G.)</b>	<b>Organising Secretary</b>
<b>2022</b>	<b>Association of Indian Universities -ALL INDIA CIRCLE KABADDI (MEN) CHAMPIONSHIP, BILASPUR (C.G.)</b>	<b>Organising Secretary</b>
<b>2023</b>	<b>Association of Indian Universities -ALL INDIA Karate MEN- Women CHAMPIONSHIP, BILASPUR (C.G.)</b>	<b>Organising Secretary</b>

## PUBLICATIOIS

### Patent

- i. The (Indian) Patent Official Journal Issue No. 37/2022 Dated 16-09-2022 on **Gamma Radiation Effects on Leaves and Roots in Maze. Amita Pandey and Soumitra Tiwari & others.**
- ii. The (Indian) Patent Official Journal Issue No. 36/2022, Dated 09-09-2022 on **The Effect of Gravity and Centrifugal Force on Plant Development and Fruit Production. G. Venkata Karthik Kumar Reddy,... Soumitra Tiwari and Others**

### RESEARCH Publication

Tiwari S & Saha SN (2022) Micro filtration of Moringa Oleifera juice using hallow fibre membrane technology for clarification. *International Journal of Health Sciences*, 6(S1), 10743–10757

Tiwari S & Saha S N (2022) A Review of Moringa Oleifera Characteristics & Therapeutic Utilization. *High Technology Letter* 28(7): 648-677.

Pophaly SD, Tiwari S & Tripath AK (2022) Effect of Milk and Dairy Products in Colorectal Cancer- Colon Cancer Diagnosis and Therapy, **Springer, Cham** Vol.- 3:Pp325-337.

Patel YK, Tiwari S & Vithalkar A (2022) Food labelling: Am Important Aspects of Marketing. *International Journal of Research Publication and Reviews*. (3): 11, 3230-3238.

Sisodiya AS, Patel YK & Tiwari S (2022). Variation of Different Drying Characteristics of Moringa Leaves on Different Drying Methods. *Emerging Trends in Nutraceuticals*. 1(2): 14-25.

Baghel VK, Shinde S, Dixit V, Vishvakarma NK, Tiwari AK, Tiwari S, Shukla D (2022) Dysregulated cell-signaling pathways in hepatocellular carcinoma: causes and therapeutic options Theranostics and Precision Medicine for the Management of Hepatocellular Carcinoma, **Academic Press** Vol. 2:337-355.

Sisodiya AS, Sao P, Tiwari S & Patel YK (2022) Development of Nutri-Cereals Based Mahua (Madhuca longifolia) Laddoo. **Emerging Trends in Nutraceuticals**. 1:(3), 29-42.

Tiwari S, Sisodiya AS, Sao P, & Mehta J (2022) A Comparative Study on the Effect of Traditional and Industrial Milling on the Nutritional Composition of Sorghum, Pear Millet and Wheat Flour. **Emerging Trends in Nutraceuticals**. 1:(2), 26-35.

Pradhan S, Tiwari S & Sisodiya AS (2022). Modification and Development of Oyster Mushroom- Based Cookies. **Emerging Trends in Nutraceuticals**. 1:(2), 36-41.

Kulshrestha R & Tiwari S (2021) Diet and Colon Cancer: A Comprehensive Review Colon Cancer Diagnosis and Therapy, **Springer, Cham** Vol.-2:Pp 53-71

Tiwari S, Saha SN & Tiwari A & Patel VK (2021) Ginger physico chemical properties

and its consumer products processing: A Review, **Bulletin of Environment, Pharmacology and Life Sciences**, Vol. 9; (7): 155-165

Tiwari S & Patel YK, (2020) Hybrid Coolig a review. **Journal of Enviornmental Issues and Sustainable Agriculture** 73.

Kumar Yogesh, Tiwari Soumitra, Kumar Yashwant & Khare Navneet (2018) Indigenou Karil (Bamboo shoot) Processing. **International Journal of Agricultural Engineering** 11(Sp. Issue) 169-172

Tiwari RK, Tiwari S, Tiwari PK, & Sharma B (2019) Studies on the physico-chemical Characteristics of traditional fermented rice (Basi). **Journal of Pharmacognosy and Phytochemistry** 08 :(02);1627-31

Kumar Y, Mahilang KK, Khare N Tiwari S, Kumar Y (2018) A review of fish food product processing and development. **Journal of Pharmacognosy and Phytochemistry** 7(2) 2406-2407

Yadav T, Viswakarma D, Saloni S, Tiwari S & Sindhu (2018). Wood apple nutritive value and medicinal benefits. **International Journal of Agricultural Engineering** 11(Sp. Issue) 159-163

Mahilang TT, Tiwari S & Sharma B (2018) Study of physicochemical and functional properties of Dioscorea Bulbifera (tuber) chips and their characterizations. **Journal of Pharmacognosy and Phytochemistry** 7(6): 673-676.

Kumar Y, Tiwari S, Kumar Y (2018) Review on heat convection in solar drying in dryer. **International Journal of Pure and Applied Bioscience**; 6(2) 1323- 1330

Tiwari A, Sahu S, Kumar Y & Tiwari S (2018). New way of cooling by desiccant cooling system. International. **International Journal of Agricultural Engineering** 11(Sp.

Issue) 76-80

Khare N Khokar D, Tiwari S, Kumar Y & Kumar Y (2018). Effect of biotransformation on patchouli oil using GC-MS. *International Journal of Agricultural Engineering* 11(Sp. Issue) 53-64

Saloni S, Sindhu, Chaouhan K and Tiwari S (2017) Pineapple production and processing in north eastern India. *Journal of Pharmacognosy and Phytochemistry* 667-672

Patel S, Tiwari S, Pisalkar PS, Mishra NK, Nayak RK & Khokar D (2015) Indigenous processing of *tikhur* (*Curcuma angustifolia* Roxb.) for the extraction of starch in Bastar, Chhattisgarh. *Indian Journal of Natural Products and Resources* 6(3): 2013- 220

Kumar Y, Tiwari S & Belorkar SA (2015) Drying An excellent methods of food preservation. *International Journal of Engineering Studies & Technical Approach* 01(8):1-08.

Tiwari S & Patel S (2013) Physico-chemical variation on tikhur powder obtained from mother and finger rhizomes. *Journal of Plant Development Science* 5(2):139-41

Tiwari S and Patel S (2013) A comparative study of *tikhur* traditional and partial mechanical processing and cost economics. *International Journal of Agricultural Engineering* 1(6):213-15

#### POPULAR ARTICLE-

Sisodiya AS & Tiwari S (2022) *Satavar Ke Aausadhi Mahatav* **Krishi Pravahika: E Samachar Patrika**, [www.krishipravahika.vitalbiotech.org](http://www.krishipravahika.vitalbiotech.org) Article Id – 193, July 2022.

Tiwari S & Sisodiya AS(2022) *Mishrit Sabjiyo ka Jam*. **Krishi Pravahika: E Samachar Patrika** [www.krishipravahika.vitalbiotech.org](http://www.krishipravahika.vitalbiotech.org), Article Id- 214, August 2022, pp11-17.

Sisodiya AS & Tiwari S (2022). *Satavar Ke Aausadhi Mahatav*. **Ropan** pp 28-29, [www.ropanonline.com](http://www.ropanonline.com), RNI NO. CHHBIL/2020/79641.

Sisodiya AS & Tiwari S (2022). *Mishrit Sabjiyo ka Jam*. **Ropan** Sep. pp 27-31, [www.ropanonline.com](http://www.ropanonline.com), RNI NO. CHHBIL/2020/79641.

Sisodiya AS, Tiwari S, Dixit R & Druv A (2022). *Aushdhiy Guno Se Bharpur Ek Adbhut Pey-Madiya Pej*. **Krishi World: Masik Patrika** Sep. page 17-18.

Tiwari Soumitra, Kaur Amarjeet & Mahesh Kumar (2013) Assessment of Grain Quality Through Image Processing. *Beverage and Food World* 40 (3):29-31.

Tiwari S, Kumar Y & Boobade H (2013) *Tikhur A Medicinal Food*. **Agri Business and Food Industries**. 02: 27.

Chadaniya SK, Tiwari S & Oberoi H (2012) Process optimization for ethanol production from

stored rice grain. Proc. International conference on sustainable agriculture for food and livelihood security, *Crop Improvement* **39**:1295-96.

Yashwant Kumar et al (2012) Fluidized bed drying of Beetroot (*Beta vulgaris*) Proc. International conference on sustainable agriculture for food and livelihood security, *Crop Improvement* **39**:1129-30.

#### **SPECIALIZATION/ RESEARCH INTEREST**

Traditional Foods, Cold Chain Management, Value Addition, Process Development, FoodEngineering

#### **PAPER PRESENTATION IN CONFERENCE AND SEMINAR**

**National** : 20

**International** : 10

#### **DECLARATION**

*I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particular.*



SOUMITRA TIWARI