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Rewa kulshrestha

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### Objective:

I am ambitious, hard working and adaptable person; want to run an extra mile with my competency to achieve possibilities of all horizons.

### Summary of Qualifications

Qualification	Subject	Institution	Duration	Score
M. Sc.	Food Technology	Punjab Agricultural University, Ludhiana	2005-2008	7.79 or 77.9 %
M.Sc. thesis on “Effect of milk solids and mango pulp on quality characteristics of curd ( <i>dahi</i> )”.				
B. A. Sc.	Food Technology	Bhaskaracharya College of Applied Sciences, Delhi University, New Delhi	2001-2004	63.2%
XIIth	PCBME	Kendriya Vidyalaya, Joka, Kolkata	2001	67.6%

### Professional Experience

S. No.	Position held	Institute/Project Name	Duration	Location
1	Assistant Professor (Food Processing and Technology)	UTD, Bilaspur University, Bilaspur	Since 1 July 2013	Bilaspur, Chhattisgarh
2	Senior Research Fellow under Dr.	Enhancing research capacity and initiating	6 <sup>th</sup> May 2010 to 30 <sup>th</sup>	IIT, Kharagpur

	H N Mishra	integrated M. Tech & Ph. D. Programme in the area of Food Science and Technology (IMT)	May 2013	
3	Senior Research Fellow under Dr. Devinder Dhingra, Sr. Scientist	Value chain on potato and potato products	26 <sup>th</sup> March 2009 to 13 <sup>th</sup> April 2010	CIPHET, Ludhiana
4	Research Associate under Dr. Rajan Sharma, Sr. Scientist	Development of simple enzymatic tests for monitoring heat treatment in milk and milk products under pasteurization conditions	19 <sup>th</sup> August 2008 to 17 <sup>th</sup> February 2009	Dairy Chemistry Division, National Dairy Research Institute, Karnal
5	Food technologist under the NGO: Tamulpur Anchalik Gramdan Sangh	Women Technology Park, Tamulpur	2 <sup>nd</sup> Nov 2004 to 31 <sup>st</sup> April 2005	Kumarikata, Distt: Tamulpur Assam.

### Awards and achievements

- Duly qualified Indian Council of Agricultural Research Examination for Junior Research Fellowship by 1<sup>st</sup> Rank and was recipient of JRF for two year in M.Sc. (Food Technology)
- Duly qualified Indian Council of Agricultural Research Examination 2009 for Senior Research Fellowship by 1<sup>st</sup> Rank for Food Technology.
- Also qualified NET Examination 2009 in Food Technology conducted by ICAR.
- Best poster award for the paper entitled “Gasification of agricultural residues” in National seminar on IRSMT-2015.
- Convener of National Workshop of “Microwave Assisted Food Processing Knowhow” sponsored by Chhattisgarh Council of Science and Technology, Chhattisgarh and organised in Department of Food Processing and Technology, Bilaspur University, Bilaspur on 7-8 September 2015.
- Nodal Officer for organising “Gender Fest”
- Co-convener of National Conference “Indigenous Foods: How to promote it” sponsored by Chhattisgarh Council of Science and Technology, Chhattisgarh and organised in Department of Food Processing and Technology, Bilaspur University, Bilaspur on 19-20 April 2018.

**Membership of scientific association**

1. Indian Dairy Association 2012-2013
2. Association of Food Scientists and Technologists (India)
3. Society for Natural Resins and Gums
4. Association of Carbohydrate Chemists and Technologists, India (ACCTI)

**Workshops attended:**

S. No.	Theme	Date	Location
1	High Pressure Processing of High Value Perishable Commodities	22 <sup>nd</sup> March 2013	IIT Kharagpur
2	Examination Reforms in Higher Education	27-29 May 2014	BU, Bilaspur
3	NAAC workshop on Assessment and Accreditation of Quality in higher education	24-25 <sup>th</sup> February 2015	BU, Bilaspur
4	Samarth shiksha mein uchh shiksha ka yogdaan	1 march 2015	BU, Bilaspur
5	Skill development through CBCS in higher education	25 <sup>th</sup> June 2015	BU, Bilaspur
6	Digital India & Chhattisgarh Education Summit	28 <sup>th</sup> August 2015	BU, Bilaspur
7	Roadmap of Bilaspur University	29 <sup>th</sup> September 2015	BU, Bilaspur
8	New Education Policy	07 <sup>th</sup> October 2015	BU, Bilaspur
9	Research Methodology and Tools	25 <sup>th</sup> to 30 <sup>th</sup> June 2016	BU, Bilaspur
10	96 <sup>th</sup> National Workshop on Radiochemistry and Applications of Radioisotopes	7-12 August 2017	DAE-BRNS & GGU, Bilaspur
11	Examination reform: Digitization & online evaluation	26 <sup>th</sup> October 2017	BU, Bilaspur
12	Gender vibhedikaran jagrukta evam mahila sashaktikaran	22 <sup>nd</sup> December 2017	NSS, BU, Bilaspur
13	E-content development using OER for Quality Higher Education	3-4 February 2018	BU, Bilaspur
14	Open Educational Resources (OER) Policy at Bilaspur University	4 September, 2018	BU, Bilaspur
15	New Education Policy	24 June, 2019	ABVV, Bilaspur
16	Quality and Excellence in Higher Education: Preparation of SSR as per Revised Accreditation Framework (RAF)	26-27 July, 2019	ABVV, Bilaspur

### Seminars/Symposium attended

S. No.	Paper presented/ attended:	Seminar Theme	Date	Location
1		Food and Nutrition Security	6 October, 2018	Bundelkhand University, Jhansi
1 Nat	Water re-cycling and re-use	Jal sanrakshan: samay ki maang	29-30 March 2018	PSOU, Bilaspur
2 Nat	Utilisation of minor fruits of Chhattisgarh region for diverse value-added products	Prospects of Innovations in Life Sciences and Socio-Economic Challenges	2-3 December 2017	CMD PG College, Bilaspur
3 Int.	Under RUSA	Education in Diversities	6 <sup>th</sup> Jan 2017	Bilaspur University, Bilaspur
4 Int.	Frying kinetics of khoa-jalebi vis-à-vis quality changes	Emerging technology of agricultural and food Engineering.	27-30 Dec. 2016	IIT Kharagpur
5 Nat.	Quality inspection and evaluation of food products by image processing	Innovation and Research in Science, Management and Technology (IRSMT)	29-30 <sup>th</sup> March 2015	Bilaspur University, Bilaspur
6 Nat.	Gasification of Agricultural residues	Innovation and Research in Science, Management and Technology (IRSMT)	29-30 <sup>th</sup> March 2015	Bilaspur University, Bilaspur
7 Int.	Khoa-jalebi	International Conference and Exhibition on Food Processing and Technology	22-24, November 2012	HICC, Hyderabad
8 Nat.	Animal feed pellets from agro-processing waste	Role of Agricultural Processing Industry in Rural Development	13 -14 November 2009	CIPHET, Ludhiana
9 Nat.	Mango incorporation vis-à-vis quality characteristics of curd	11 <sup>th</sup> Punjab Science Congress	7-9 February 2008	Thapar University, Patiala

### Short Term Courses/ FDP/ Training

S. No.	Theme	Duration	Organizers	Location

1	Green Chemistry and Nano Technology	23-28 November 2015	UGC Sponsored	GGU, Bilaspur
2	Development of functional Food Products through Extrusion Processing	5-7 November 2015	Division of Food Science and Postharvest Technology	IARI, New Delhi
3	Natural Resins and Gums: Agribusiness Modules for skill and Entrepreneurship Development	2-9 September 2016	Sponsored by Directorate of Extension, Ministry of Agriculture and Farmers Welfare, Govt. of India	IINRG, Ranchi
4	Advance methods for trace level identification and estimation of Agrochemicals to ensure safety of consumers	12-21 September 2017	Division of Agricultural Chemicals	IARI, New Delhi
5	19 <sup>th</sup> Orientation Programme A grade	3-30 November 2017	UGC Sponsored	GGU, Bilaspur
6	Refresher Course on Synthetic and Natural Products: Chemical and Medicinal Aspects	11-30 June 2018	UGC Sponsored	GGU, Bilaspur
7	Blended Learning for Higher Education	1-2 September 2018	Commonwealth Educational Media Centre For Asia (Cemca), New Delhi, India	ABVV, Bilaspur
8	Faculty Development Programme in Entrepreneurship	4-16 February, 2019	Chhattisgarh Industrial & Technical Consultancy Centre (CITCON)	ABVV, Bilaspur

### **Publications**

Kulshrestha, R., Tiwari, S. and Kumar Yashwant (2018) Soymilk- versatile oilseed milk. International Journal of Agricultural Engineering, 43(18):

Kulshrestha, R., Shrivastava, S. L, Mishra, H. N. and Meghwal M. (2017) Physico-chemical and functional properties of Curcuma angustifolia (tikhur) – an underutilized starch. The Pharma Innovation Journal, 6(7): 114-119.

Kumari R. and Meghwal M. (2016) Benefits of food colours and safety in usage. Food and Beverage Magazine. 22-24.

Kumari R. and Rehal J. (2015) Geographical Indications: A tool for Indian traditional Food Industry. Journal of Progressive Agriculture. 6(2): 1-4.

Kulshrestha R. Kumar Y. and Tiwari S. (2015) Gasification of Agricultural Residues. International Journal of Research Studies in Biosciences. Special Issue 35-37.

Anuj Y., Kumari R., Yadav A., Mishra J. P., Srivata S. and Prabha S. (2016) Antioxidants and its functions in human body – A review. Res. Environ. Life Sci. 9 (11): 1328- 1331. **ISSN:** 0974-4908. NAAS Rating: 4.09

Anuj Y. Kumari R. (2016) Utilization for by-products of Banana – A review. Res. Environ. Life Sci. 9 (11): 1328- 1331. **ISSN:** 0974-4908. NAAS Rating: 4.09

Kumari R., Shrivastava S. L. and Mishra H. N. (2012) Optimization of Khoa and tikhur mix for preparation of khoa-jalebi sweet. Journal of Food Processing and Technology.

#### **Chapters published:**

Bag S. K., **Kumari R.**, Mukhopadhyay S. and Mishra H. N. (2018) Baked and Fried Dairy Products.

Bhatnagar A. S. and **Kulshrestha R.** (2015) Natural Antioxidants: Occurrence and their role in Food Preservation. In Natural Antioxidants in Foods of Animal Origin. Apple Academic Press.

Rajput Y S, Sharma R. and **Kumari R.** (2011) “Immunodiffusion-A technique for Antigen Characterization” published in book: Functional Dairy Foods: Concepts and Applications. Pages 161-166.

#### **Lectures delivered:**

- Microbiological quality standards of food
- Quality assurance: Microbial quality standards of food and Government regulatory practices
- Biosensors in Food Industry
- Application of microbial enzymes in Dairy Industry
- Hygienic quality of food preparations

#### **MOOCs/ Online Courses Completed**

S. No.	Name of the Course	Duration	Completion date

1	Novel Technologies for Food Processing and Shelf Life Extension	12-week	27 April 2019
2	Functional Foods		
3	Life Skills		
4	Understanding Open Educational Resources using Technology-Enabled Learning Lounge		15 February, 2018

### **Examiner**

Paper setting for the final Examination II<sup>nd</sup> Semester 2015 – 16 of Banda University of Agriculture and Technology, Banda- 210001, U. P.

Paper setting for B. Tech. 2<sup>nd</sup> year, 1<sup>st</sup> sem. 2017-18 of VFSTR University, Vadlamudi.

### **Computer knowledge**

MS Windows, Windows vista usage, Windows 7 and knowledge of stats, MATLAB knowledge

### **Extracurricular activities**

Member, Organising Committee, Annual Cultural Fest “Srijan” 2018 and 2019

Member, Organizing Committee, of International Conference on Quality Enhancement of Higher Education in India and Changing Paradigm held at Bilaspur University during 4 – 5 January 2018.

Member, Organising Committee, of 14<sup>th</sup> Chhattisgarh Young Scientists Congress – 2016, 28<sup>th</sup> & 29<sup>th</sup> February 2016, organised by Chhattisgarh Council of Science and Technology and Bilaspur Vishwavidyalaya, Bilaspur (C. G.)

Member, Organizing Committee, of National Symposium on Emerging Innovative Technologies for Assurance of Quality and Safety in Processed Foods held at IIT Kharagpur during 24 – 25 February 2011.

### **Social/ Cultural/ Sports Participation**

Participated “Bilaspur Cyclothon 2019” bicycle rally to promote Cycle Culture on 3 February, 2019

Participated in Mixed Double Badminton match and was runner-up in UTD, ABVV, Bilaspur

Participated in Youth Marathon of Spring Fest-2013 and was 2nd in the event at IIT Kharagpur.

Participated in 8<sup>th</sup> All India Inter-Agriculture Sports Meet held in Ludhiana in table tennis tournament, reached up to semi-finals.

Participated in inter-college table tennis competition and won the tournament.

Participated in training of dance organised by Department of cultural activities “Aakar” by C. G. Government 7-18 May 2015.

Place:

Date :

Signature of candidate