

Bio-data



1. **Name:** Dr. Hilal Ahmad Punoo
2. **Gender:** male
3. **Designation & Affiliation:** Assistant Professor

University of Kashmir, Department of Food Science and Technology

Date of Appointment: 06-05-2010

4. **Postal Address:** University of Kashmir, Department of Food Science and Technology PIN: 190006
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6. **Email ID:**
hilalpunoo@gmail.com, hilal_punoo@yahoo.com, hilal.punoo@kashmiruniversity.ac.in
7. **Educational qualification:**

S.No	Degree	Institution/Board/University	Year
1.	B. Sc Agriculture	Narain College Shikohabad Dr. B. R. A. University, (Formerly Agra University) U.P. INDIA	2000
2.	M. Sc Agriculture (Dairy Science)	R.B.S. College Bichpuri, Agra Dr. B. R. A. University, (Formerly Agra University) U.P. INDIA	2002
3.	Ph.D (Dairy Technology)	National Dairy Research Institute Karnal Haryana (I C A R)-INDIA	2008

8. Employment Experience:

S.No	Position and Organization	Nature of Job	Period
1.	University of Kashmir, Department of Food Science and Technology PIN: 190006	Teaching and Research	06-05-2010 to Continue Till Date

9. List of Publications:

Publications:

1. **Jeelani Raja, Hillal A Punoo and Farooq A Masoodi (2014)** Comparative Study of Soy Paneer Prepared from Soymilk, Blends of Soymilk and Skimmed Milk, *J. Food Process Technol.*, 5:2, 1-5.

2. **Waqas N. Baba & Safoora Din & Hilal A. Punoo & Touseef A.Wani & Mudasir Ahmad & F. A. Masoodi (2016)** Comparison of cheese and paneer whey for production of a functional pineapple beverage: Nutraceutical properties and Shelf life, *J Food Sci Technol*, 53(6):2558–2568
3. **Hilal Ahmad Punoo, Mohd. Shafi , Waqas Nabi Baba (2017)** Textural, Physico-chemical, Micro-structural and Antioxidant Properties of Soy Paneer prepared from admixtures of Skim cow milk and Soymilk. *International Journal of Advanced Research in Science and Engineering*, 6, 3, 387-400.
4. **WAQAS N. BABA, HILAL A. PUNOO, NUZHAT RASOOL, M. SHAFI (2017)** Physico-chemical textural and antioxidant properties of low fat tofu prepared from blends of cow milk and soy milk, *Proceedings of WRFER international conference*, 15-22.
5. **HILAL AHMAD PUNOO, GIRDHARI RAMDAS PATIL and RAM RAN BIJOY (2018)** Textural and microstructural properties of Kradi cheese (an indigenous cheese of Jammu and Kashmir, India), *International Journal of Dairy Technology*, 71, 2, 372-381.
6. **Hilal Ahmad Punoo, GR Patil and RRB Singh, (2018)** Physico-chemical and microbiological composition of Kradi cheese, *Indian J Dairy Sci.* 71(2):152-155
7. **Waqas N. Baba, Kaunser Jan, Hilal A. Punoo, Touseef Ahmed Wani, Mohd Masarat Dar, F.A. Masoodi (2018)** Techno-functional properties of yoghurts fortified with walnut and flaxseed oil emulsions in guar gum, *Food Science and Technology LWT*, 242-249.
8. **Punoo Hilal Ahmad, Nafisa Ahad, Waqas Nabi Baba (2018)** Development and Storage Studies of Mango Whey Beverage, *International Journal of Advances in Arts, Sciences and Engineering*, 6, 13, 1-8
9. **Hilal Ahmad Punoo, Najmun Nissa, Waqas Nabi Baba (2018)** Isolation, Identification and Characterization of Lactobacillus bacteria from soy yoghurt, *International Journal of Advanced Research in Science and Engineering*, 7, 4, 2060-2072.
10. **Mehwish Mushtaq, Adil gani, Hilal Ahmad Punoo, F A Masoodi (2018)** Use of pomegranate peel extract incorporated zein film with improved properties for prolonged shelf life of fresh Himalayan cheese (Kalari/kradi), *Innovative Food Science & Emerging Technologies*, 48, 25-32

11. **Hilal Ahmad Punoo** (2018) Exopolysaccharide biopolymers from lactic acid bacteria and novel food applications, Souvenir National conference and workshop on Advances in biopolymers,1,64-88
12. **Hilal Ahmad Punoo** (2018) Isoflavones in Soy foods, Occurrence and Health benefits, Souvenir National conference on Recent Advances in understanding the role of phytochemicals in Human Health,1,59-72.
13. **Punoo,H.A.**, Patil, G.R., and Singh, R.R.B. (2018) Quantitative descriptive sensory analysis of *Kradi* Cheese, *SKUAST Journal of Research* 20 (2): 230-237; (2018)
14. **Punoo, H.A.** and Mir, A. (2019) Effect of different processing treatments on physicochemical and syneresis of rose flavour oil incorporated soy yoghurts during storage, *International Journal of Scientific Research and Review*, 7 (04), 771-779
15. **Punoo, H.A.** (2020) Chemical changes of kradi cheese stored at refrigeration temperature under vacuum and normal conditions, *Indian J Dairy Sci.* 73():28-31

Abstracts (Oral/Poster)

- "Application of Starter Culture Technology and the use of Improved Bioreactor Technology for Fermented Soy Sauce Production", 11th JK Science Congress", (poster) organized by *University of Kashmir*, from 12-10-2015 to 14-10-2015
- "Application of Nanotechnology in Food and Dairy Processing", (oral) in "Third International Conference on Nanotechnology for Better Living", organized by *Indian Institute of Technology Kanpur and National Institute of Technology Srinagar, INDIA*, from 25-06-2016 to 29-06-2016
- "Impact of Food and Dairy Industry On Green House Effect", (oral) in "National Seminar on Environmental Pollution "Join the Race to Make the World a Better Place", organized by *Department of Environmental Science and Centre of Research for development University of Kashmir*, from 04-06-2016 to 05-06-2016
- "Application of Methyl bromide in fumigation of Dairy products", (poster) in "10th International Conference on Controlled Atmosphere and Fumigation in Stored Products", organized by *Indian Council of Agricultural Research New Delhi*, from 07-11-2016 to 11-11-2016
- "Studies on Physico-chemical, Textural, Micro-structural and Antioxidant Properties of Soy Paneer prepared from admixtures of Skim cow milk and Soymilk.", (poster) in "25th Indian Convention of Food Scientists and Technologists", organized

by *Association of Food Scientists and Technologists-CFTRI Mysore*, from 10-11-2016 to 12-11-2016

- "Influence of Food and Dairy Industry on Green House Effect", (poster) in "Two days National Inter disciplinary conference SSD-2016 "Science for Sustainable Development", organized by *Department of Environment and Management, P.G. Department of Environmental Science & Department of Geology, Sri Pratap College M. A. Road Srinagar (Cluster University of Kashmir) J&K*, from 25-02-2017 to 26-04-2017
- "Studies on development and quality evaluation of soymilk yoghurt during refrigerated storage", (poster) in "2nd JK Medical Science Congress 2017", organized by *Sheri Kashmir Institute of Medical Sciences , Srinagar J&K*, from 10-05-2017 to 13-05-2017
- "Comparison of cheese and paneer whey for production of a pineapple beverage: physico-chemical properties and shelf life", (poster) in "26th Indian Convention of Food Scientists and Technologists ICFoST 2017", organized by *Association of Food Scientists and Technologists of India- Mysore*, from 07-12-2017 to 09-12-2017
- "TEXTURAL, PHYSICO-CHEMICAL, MICRO-STRUCTURAL AND ANTIOXIDANT PROPERTIES OF SOY PANEER PREPARED FROM ADMIXTURES OF SKIM COW MILK AND SOYMILK.", (oral) in "One Day National Conference on "Recent Innovations in Science, Technology and Engineering"", organized by *National Institute of Technology, Srinagar, Jammu and Kashmir, India and A. R. Research Publications/ Conference World*, dated 16-12-2017
- "Effect of growth medium on exopolysaccharide production by lactic acid bacteria isolated from soy yoghurt.", (oral) in "National Conference and Workshop on Advances in Biopolymers", organized by *Department of Food Science and Technology University of Kashmir Srinagar J&K and AFSTI- Srinagar Chapter*, from 30-10-2018 to 31-10-2018
- "Effect of different processing treatments on antioxidant activity of rose flavour oil incorporated soy yoghurts during storage", (poster) in "8th International Food Convention-IFCoN-2018", organized by *Association of Food Scientists and Technologists India and Central Food Technological Research Institute-Mysore*, from 12-12-2018 to 15-12-2018

- "Empowerment Level of Tribal dairy Farm Women in Jammu and Kashmir State", (oral) in "National Seminar on Tribal Women of Jammu and Kashmir state: Legal Issues and Challenges", organized by *Department of Law, University of Kashmir Srinagar J&K*, dated 18-12-2018
- "Effect of different treatments on physico chemical properties of soy yoghurt", (poster) in "13th J&K Science Congress", organized by *University of Kashmir Hazratbal Srinagar Kashmir J&K*, from 02-04-2018 to 04-04-2018
- "Challenges and Prospects of Food Science and Technology in India", (oral) in "One Day Regional Seminar on Science Education Challenges and Prospects", organized by *Directorate of Distance Education University of Kashmir Hazratbal Srinagar Kashmir J&K*, dated 28-02-2018
- "Isolation, Identification and Characterization of Lactobacillus bacteria from soy yoghurt", (oral) in "1st International Conference on Recent Developments in Science, Humanities and Management-2018", organized by *Conference World at Amar Singh College , Cluster University Srinagar*, from 17-04-2018 to 18-05-2018
- "Development and Storage studies of mango whey beverage", (oral) in "XVI International Conference on Recent Trends in Engineering Applied Science and Management", organized by *Conference World at Osmania University Centre for International Programme, Osmania university Hyderabad*, dated 19-05-2018
- "Application of Computer in dairy Industry", (oral) in "third International Conference of Asian Libraries", organized by *Central Library, Central University of Kashmir , J&K and Asian Library Association, New Delhi*, from 06-08-2018 to 08-08-2018
- "Antioxidant properties of pectin stabilized soy yoghurt", (poster) in "National Conference on Recent Advances in Understanding the Role of Phytochemicals in Human Health", organized by *Department of Food Science and Technology University of Kashmir Srinagar J&K*, from 25-07-2018 to 26-07-2018
- "Anti-oxidant Properties of Pectin Stabilized Soy yoghurt", (poster) in "National Conference on Recent Advances in Understanding the Role of Phytochemicals in Human Health", organized by *Department of Food Science and Technology University of Kashmir Srinagar J&K*, from 25-07-2018 to 26-07-2018

10. Patent

1. **Patent:** Girdhari Ramdas Patil, **Hilal Ahmad Punoo**, R.R.B. Singh . A Process for Commercial Manufacture of Kradi. **Patent Grant No.:** 260553 **Grant Date:** 07/05/2014

Details of Conferences attended

2. **National Seminar on Value Added Dairy Products December 21-22, 2006** organized by N D R I, Karnal Haryana.
3. International Conference on Traditional Dairy Products November 14-17, 2007 organized by N D R I, Karnal Haryana.
4. International Live Stock Dairy Export Conference 22-24 August 2008 at Pragati Maidan New Delhi organized by N.C.C. Exhibition Organizer, (NEO) Thailand in collaboration with Pixie Consulting Solutions Ltd.
5. 6th JK Science Congress organized by University of Kashmir 2010
6. National Seminar on Food Safety organized by Deptt. Food Technology, University of Kashmir 2013 from **27th to 28th September 2011.**
7. 8th JK Science Congress organized by University of Kashmir 2012 from **17th to 19th September 2012**
8. One Day Seminar on Open Access Resources by Allama Iqbal Library university of Kashmir on **18th December, 2012**
9. One day Seminar on Publishing & Piracy organized by the Federation of Publishers & Booksellers Association of India (FPBAI), New Delhi and Allama Iqbal Library university of Kashmir on **7th September, 2013.**
10. 9th JK Science Congress organized by University of Kashmir 2013 from **1 to 3rd October 2013**
11. National Inter-disciplinary Science Conference (Recent Research Trends in Chemical and Environmental Sciences", organized by S.P. College Srinagar J&K, from **18-08-2015 to 19-08-2015**
12. National Symposium on Biotechnological Intervention for Upgradation of Food Products of India organized by Department of Food Technology, University of Kashmir, from **09-09-2015 to 10-09-2015**
13. 11th JK Science Congress organized by University of Kashmir 2015 from **12th-14th October 2015**
14. Third International conference on Nanotechnology for better living **May 25-29 May 2016**
15. National Seminar on Environmental Pollution Join the Race to make the world a better living **4-5 June 2016** organized by Department of Environmental Science and Centre of Research and Development University of Kashmir
16. 25th Indian Convention of Food Scientists and Technologists ICFoST-XXV **10-12 November 2016** Organized by AFSTI, Guru Nanak Dev University Amritsar Punjab
17. 10th International conference on controlled atmosphere and fumigation in stored products **6-11 November 2016** organized by ICAR New Delhi

18. Two days Industry Institute interactive session-**23-24th February 2017**. Department of Food Science and Technology, University of Kashmir Srinagar
19. Two days National Inter disciplinary conference SSD-2016 “Science for Sustainable Development” **25th -26th February 2017**. Department of Environment and Management, P.G. Department of Environmental Science & Department of Geology, Sri Pratap College M. A. Road Srinagar (Cluster University of Kashmir) J&K.
20. One Day National Seminar on the theme “Human Rights with a special focus on Right to Education” **20th March 2017**. Department of Law university of Kashmir
21. Two days National Workshop on “Scholarly writing, Reference Management and Deterring Plagiarism” **22-23 March 2017** Allama Iqbal Library university of Kashmir.
22. “Two days National Workshop for Teachers Training and Sensitization programme on Human Rights” **29th -30th March 2017** Department of Law university of Kashmir
23. “Two days National Seminar on Global Perspective of Hindi: Language and Literature” **29th -30th March 2017** Department of Hindi university of Kashmir
24. 2nd JK Medical Science Congress organized by Sheri-Kashmir Institute of Medical Sciences Soura Srinagar Kashmir J&K- (2017)
25. 1st Annual MPPCOS conference organized by Sheri-Kashmir Institute of Medical Sciences Soura Srinagar Kashmir J&K- (2017)
26. Seminar on "*Science Education Challenges and Prospects*", organized by Directorate of Distance Education, University of Kashmir, dated 28-02-2018
27. Conferences on "*Forestry Food and Sustainable Agriculture*", organized by World Research Forum for Engineers and Researchers, dated 01-01-2018
28. Conferences on "*1st International Conference on Recent Developments in Science, Humanities and Management-2018*", organized by Conference World at Amar Singh College , Cluster University Srinagar, from 17-04-2018 to 18-04-2018
29. Conferences on "*XVI International Conference on Recent Trends in Engineering Applied Science and Management*", organized by Conference World at Osmania University Centre for International Programme, Osmania University Hyderabad, dated 19-05-2018.
30. National Conference on Recent Advances in Understanding the role of Phytochemicals in Human Health, Organised by Department of Food Science and Technology, University of Kashmir, Srinagar, J&K, 25th-26th July, 2018.

31. National Conference and Workshop on Advances in Biopolymers, Organised by Department of Food Science and Technology, University of Kashmir, Srinagar, J&K, 30th -31st October 2018.
32. 8th International Food Convention at CSIR, CFTRI, Mysore, India. December 12-15, 2018.
33. One day National Seminar on Tribal woman of Jammu and Kashmir Legal Issues and Challenges Organised by Department of law, University of Kashmir, Srinagar, J&K, December 18, 2018
34. One day National workshop on, Plagiarism- An Opportunity to Learn, Teach and Excel organizes by Department of Bioresources University of Kashmir on 24-06-2020

Training Courses

1. 70th General orientation Course organized by UGC-Human Resource Development, university of Kashmir, Srinagar from 11-01-2016 to 06-02-2016.
2. Special Winter School organized by UGC-Human Resource Development, university of Kashmir, Srinagar from 15-02-2017 to 08-03-2017.
3. National Training Programme on "*National Training on Dairy and Food Process Engineering; Equipment, Processing and Value Addition*", organized by Dairy Engineering Division under the aegis of Centre of Advanced Faculty Training in Dairy Processing- ICAR National Dairy Research Institute Karnal-132001 Haryana INDIA, from 10-01-2018 to 30-01-2018
4. National Workshop on "*National Workshop on In Vitro Screening Tests for Potential Probiotic Organisms as a Nutraceutical*", organized by Post Graduate Department of Home Science Sardar Patel University Vallabh Vidyanagar -Anand Gujra, from 01-02-2018 to 03-02-2018
5. National Training Programme on "*Rapid Biosensors and Micro Techniques for Monitoring contaminants and Adulterants in Dairy Foods*", organized by organized by Dairy Microbiology Division under the aegis of Centre of Advanced Faculty Training in Dairy Processing- ICAR National Dairy Research Institute Karnal-132001 Haryana INDIA, from 04-01-2019 to 24-01-2019.

6. National Training Programme on “Emerging Trends in Bio-Process Technology in Dairy and Food Processing” organized by Centre of Advanced Faculty Training in Dairy Processing, Dairy Technology Division, ICAR National Dairy Research Institute Karnal-132001 Haryana INDIA, from 15-01-2020 to 4-02-2020.
7. One week National workshop on Leveraging Education for Harnessing Entrepreneurship Research and Innovation, organized by Higher Education Department Govt. of Jammu Kashmir in collaboration with GIAN from 07-09-2020 to 12-09-2020.

Membership:

1. Life Member Indian Dairy Association.
2. Life Member Association of Food Scientists and Technologists India.
3. Life Member Dairy Technologists Society of India.

Reviewer:

LWT-Food Science and Technology ISSN: 0023-6438: 50 papers

Journal of Food Science and Technology ISSN: 0022-1155 =15Papers

Journal of Food measurement and characterization: 3 papers

11. Books Published: Nil

12. Awards: 4

Awards

1. 3rd Best Poster Paper award in International Conference on Traditional Dairy Products November 14-17, 2007 organized by N D R I, Karnal Haryana.
2. Best paper poster award in 25th Indian Convention of Food Scientists and Technologists AFSTI, 10-12 November-2016.
3. ASAR Excellent paper Award for the paper entitled "Physico chemical, Textural and Anti oxidant properties of low fat tofu prepared from blends of cow milk and soy milk" for the category best presentation/ best content at the WRFER International conference held at New Delhi, India on 10th December 2017

4. Certificate of appreciation Award in 5th International conference on Nanotechnology for better living ICNBL-2019 organized by NIT Srinagar and IIT Kharagpur

14. **Sponsored Research Projects as PI:** Nil

15. **Consultancy Projects:** Nil

16. **Sponsored Research/ Consultancy Projects submitted for approval:** Nil