



**Sandeep Kaur, Ph.D, ARS NET.**

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## **ACADEMIC QUALIFICATIONS**

### ➤ *Punjab Agricultural University, Ludhiana*

**Ph.D** in Microbiology, focus: Industrial and Molecular Microbiology, College of Basic Sciences and Humanities. (OCPA- 7.28/10.00) ..... March, 2013

**Master of Science** in Microbiology, focus: Industrial Microbiology, College of Basic Sciences and Humanities. (OCPA- 6.74/10.00) .....October,2005

### ➤ *Punjabi University, Patiala*

**Bachelor of Science** (Medical). (%age- 56.8) ..... April,2002

**NET: ARS NET- 2015 qualified**

## **EXPERIENCE**

### **Assistant Professor**

- Department of Biotechnology,  
Sri Guru Granth Sahib University, Fatehgarh Sahib (July 2016-....)
- Government Mohindra College, Patiala. (July 2014- May 2015,  
July 2015- May 2016)

### **Research Assistant**

- Department of Animal Nutrition, GADVASU under AICRP project on 'Improvement of feed resources and nutrient utilization in raising animal production'  
(Oct 2013- March 2014)

- School of Public Health & Zoonoses, GADVASU under ‘DBT Network project on Brucellosis’ (April 2013- Sep 2013)

### Lecturer

- Adarsh Nursing College, Chontkheri, Samana (Feb 2008 - Dec2008)
- Dolphin (PG) College of Life Sciences, Chunni Kalan, Fatehgarh Sahib (Aug 2007 - Feb 2008)
- Govt. Polytechnic for Girls, Patiala (Feb 2006 - Aug 2007)

### FELLOWSHIP

- Junior research fellowship from UGC under Rajiv Gandhi National Fellowship Scheme. (Dec 2008- March 2013)

### PUBLICATIONS

#### PAPERS:

- **Kaur S** and Phutela RP (2015) Fermentative production of rice vinegar using *Pichia kudriavzeii* and *Acetobacter aceti* cultures. *Agric. Res. J.* **52(4)**:92-95
- Grewal R S, Lamba J S, Saijpal S, **Kaur S** (2015) *In vitro* and *in Vivo* evaluation of Sugar beet pulp as feed for ruminants and its preservation as silage. *Indian J. Anim. Nutr.* **32(2)**: 152-159.
- **Kaur S**, Kocher G S, Phutela R P and G Soni (2007) Production of malt vinegar and its antioxidant potential. *J. Res. Punjab Agric. Univ.* **44(4)**:326-29.
- **Kaur S** (2015) Biofuels, *Proceedings of 7<sup>th</sup> National conference on Recent Advances in Chemical Biological and Environmental Sciences. 30-31 January, 2015.* (Accepted)
- **Kaur S** and Sharma R (2015) Microbial Fuel Cell. *Proceedings of National conference on Biofuels and Bioenergy. 12-13 June, 2015.* (Accepted)

#### BOOKS:

- **Kaur S**, Phutela RP, Oberoi H.S (2013) Rice vinegar production and DNA fingerprinting of Microorganisms. Scholar press, Germany. ISBN No. 978-3-639-5184-5

## PRESENTATIONS:

- **Sandeep Kaur** (2016) Bioremediation: lets clean our environment. **Paper** presentation at National Conference on *Recent Advances in Chemical, Biological and Environmental Sciences (RACES-2016)*, Patiala, 19-20, February, 2016.
- **Sandeep Kaur** (2016) Bioindicators. **Paper** presentation at *International conference on Emerging Trends in Commerce, Management and Environmental Sciences*. 15-16, January, 2016.
- **Sandeep Kaur** and Sharma R (2015) Microbial Fuel Cell. **Poster** presentation at *National conference on Biofuels and Bioenergy*. COES, University of Petroleum & Energy Studies, Dehradun, Utrakhand. 12-13 June, 2015.
- **Sandeep Kaur** (2015) Production of Rice vinegar and its elemental analysis. **Paper** presentation at National Conference on *Recent Advances in Chemical, Biological and Environmental Sciences (RACES-2015)*, Patiala, Jan 30-31, 2015.
- **Sandeep Kaur**, Harpreet Kaur, H.S. Oberoi and RP. Phutela. 2012. Statistical design for the optimization of the hydrolysis conditions of damaged rice grains using crude enzyme. **Poster** presentation at *International Conference on Industrial Biotechnology (ICIB-2012)*, Patiala, Nov, 21-23, 2012.
- Ridhi Puri, **Sandeep Kaur**, Naveet, RP Phutela. 2012. Studies on yeast inoculum and fermentation practices for ethanol production from sugarcane juice and molasses. **Paper** presentation at National conference on *Applied Biosciences- perspectives and Challenges (ABPC-2012)*, Fatehgarh Sahib. Feb, 3, 2012
- **Sandeep Kaur**, G.S. Kocher and RP. Phutela. 2006. Saccharification of barley malt for acetic acid production. **Poster** presentation at National Symposium on *New Horizons in fermentation and Food Biotechnology*, Patiala. March, 21, 2006.
- Heena, Naveet, **Sandeep Kaur**, G.S. Kocher and RP. Phutela. 2012. Scaled up production of tea wine and its analysis. Presenting at National conference on *Applied Biosciences- perspectives and Challenges (ABPC-2012)*, Fatehgarh Sahib. Feb, 3, 2012
- Naveet, **Sandeep Kaur**, Heena and RP. Phutela. 2012. Scaled up production of tea vinegar using immobilized *Acetobacter aceti*. Presenting at National conference on *Applied Biosciences- perspectives and Challenges (ABPC-2012)*, Fatehgarh Sahib. Feb, 3, 2012

- Naveet, **Sandeep Kaur** and RP. Phutela. 2012. Tea vinegar using immobilized *Acetobacter aceti*. Presenting at Nation symposium on *Emerging Trends in Biotechnology* (NSTEB-2012), Patiala. Feb, 23, 2012.
- Participated in *Continue Medical Education (CME)* held at Christian Medical College, Ludhiana. April, 5, 2003.

#### **AWARDS/RECOGNITION:**

- Participated in Inter University National Level Debate Competition, YUVA-10 at G.B. Pant University of Agriculture & Technology, Pantnagar. January, 23-24, 2010.
- Won **3<sup>rd</sup>** prize in debate competition held during Youth Festival at Punjab Agricultural University, Ludhiana. November, 6, 2009.
- **Hosted** Annual day function organized by Society for Advancement of Academics, Sports and Cultural Activities (SAASCA), College of Basic Sciences & Humanities. October, 10, 2009.
- Won **1<sup>st</sup>** prize in Inter-departmental debate competition held at College of Basic Sciences & Humanities, Punjab Agricultural University, Ludhiana on occasion of Science Day. February, 28, 2005.
- Represented Multani Mal Modi College, Patiala in Patiala Zone, Punjabi University Youth Festival, 2000 and secured **2<sup>nd</sup>** position in One Act Play.
- Represented Multani Mal Modi College, Patiala in Patiala Zone, Punjabi University Youth Festival, 2000 in Debate competition.
- Participated and secured positions in debate and declamations at School level.

#### **NCC:**

- Attended *All India Girls Trekking Expedition, Dalhousie- Khajjar, 1994*. June, 11-24, 1994.
- Attended *Combined Annual Training Camp, 1993* held at Patiala. October, 02-12, 1993.

#### **TRAININGS AND WORKSHOPS**

1. Seven Day “Faculty Development programme (FDP) in Analytical Techniques” at *Mata Gujri College, Fatehgarh Sahib. May-2016*.

2. Seven Day workshop on “Systematics of Plants and Microbes” at *Department of Botany, Punjabi University, Patiala. December-2015.*
3. Two day workshop in “Different Techniques of Molecular Biology and Histomorphology” at *Government Mohindra College, Patiala. November-2014.*
4. Training course on “Fermentation and Downstream processing techniques for production and purification of cellulolytic enzymes” at *Central Institute of Post Harvest Engineering and Technology. March 2012.*

## **MEMBERSHIP**

Reviewer of ‘*International Journal of Agricultural Sciences*’ Bioinfo Publications.

Membership ID: F704A77EA1