

AJAY KUMAR SINGH

Vill Misurpura, Post Pipri athagaiyan Dist. Jalaun (Uttar Pradesh) India

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Educational Information

Maharaja Ranjit Singh Punjab Technical University, Bathinda, Punjab, India
Master of Technology –(Food Science and Technology)-Pursing

Dr. A.P.J. Abdul Kalam Technical University, Lucknow, U.P
Bachelor of Technology- (Agricultural engineering)

GPA: 7.05/10.00

Research Experiences in Bachelor of Technology

- Hydroponic technology.

Research Experience in Master of Technology

- Antimicrobial Films
- Food Development from byproducts of Food and Vegetables
- Moisture control in Crum

Research Skills

- **Laboratory Skills:** Leak test apparatus, Near infrared analyser (to identify Fat and moisture), Haake viscometer, Malvern PS-Analyser (Particle Size analyser, Temperature and Temper Index)
(Crystal temperature and Temper Index)

Microbial Biology : PCR, Elisa, Radio immuno essay, Culture, Streak plate technic, serial dilution method, Pour plate method

- **Computer Skills:**
 - **Software:** MS office (Word, PowerPoint, Excel, etc.), Course on Computer concepts, Auto CAD
 - Computer visualization program

Research Interests

- Antimicrobial packaging
- To develop value added products from Food and vegetable's byproduct
- To analyse best extraction method for betaglutan
- To identify the species of Oats have content of betaglutan
- Nutraceutical

Work Experience :

Internship at Mondelez India Pvt.Ltd, Baddi Himachal Pradesh India
(11-07-2022 to 26-08-2022)

Indian Institute Food processing and Technology, Bathinda, Punjab India
(17-09-2019 to 17-10-2019)

Internship at Central Farm Machinery training and testing Institute, Budni, Madhya Pradesh, India
(01-07-2018 to 26-7-2018)

Professional Conferences and Presentations

- Role of Agriculture and Youth in Self-Reliant India (2020) Organized by Agrivision, New Delhi in collaboration with ABVP Indian Council of Agricultural Research, New Delhi.
- AgroIndustry - Scope and Opportunities for a Promising Career.(2020) by School of Agricultural Science and Technology (SAST) and Narsee Monjee institute of Management Studies (NMIMS)
- Developing Entrepreneurial Skills Among Agri-Graduates (2020) by School of Agricultural Science and Technology (SAST) and Narsee Monjee institute of Management Studies (NMIMS).
- Current Trends in Chemical Process Technology and Materials Development (2020) Jointly organized by Indian Institute of Technology, Assam, India and University of Aberdeen, Scotland, UK.
- Impact of Physio-Biochemical Research on Indian Agriculture-2020 Organized by Bihar Agricultural University, Sabour

Honors and Awards

- Graduate and Professional Student Association Travel Award (2019)
- College of Agriculture and Life Sciences Dean's Excellence Funds (2019)
- Excellent Honor in Student Research Training program held by Shivdan Singh Institute of Technology and Management, Aligarh, India (2017)

Professional Development

- Experiment and treatment design workshop (Nov.2019)

Volunteering Activities

- Student Research Training program held by Shivdan Singh Institute of Technology and Management, Aligarh, India; Research Assistant.
- Social Practice in Inner Aligarh held by department of food science, Shivdan Singh Institute of Technology and Management, Aligarh, India.
- International Horticultural Exposition 2017 in India; Volunteer.

Hobbies and Interest : Cooking, Travelling and Nature Lover

References

- **Dr.Kawaljit Singh Sandhu (Professor)**
Kssandhu@mrsptu.ac.in
Department of Food Technology

Maharaj Ranjit Singh Punjab Technical University, Bathinda, Punjab India

- **Dr. H.L Kushwaha – (Senior Scientist)**

hkushwaha@gmail.com

Department of Agricultural

Indian Agricultural of Research Institute ,New Dehli,India

- **Dr. Tapan Kumar khura (Senior Scientist)**

tapankhura@gmail.com

Department of Agronomy

Indian Agricultural of Research Institute, New Dehli,India