

CURRICULUM VITAE

RAJ RANI

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CAREER OBJECTIVE:

- ❖ To begin my Teaching career at a highly reputed and eminent educational institute and to gain exceptional career move ahead through long efforts and performance regularity.

ACADEMIC EXPERIENCE:

- ❖ Successfully completed fifteen sessions i.e. 2008 onwards as Assistant Professor in Biotechnology and imparting education to UG and PG classes in Dayanand College, Hisar.

RESEARCH EXPERIENCE:

- ❖ Involved in providing guidance for projects to final year students of UG level classes and PG level summer trainings.

EDUCATIONAL QUALIFICATIONS:

- ❖ Completed Ph.D. In 2012.
- ❖ M.Phil. in Biotechnology from Aligappa University, Chennai with 74% marks in 2008.
- ❖ M.Sc. in Biotechnology from Chaudhary Devi Lal University, Sirsa with 66% marks in 2006.
- ❖ B.Sc. in Biotechnology from Kurukshetra University, Kurukshetra with 66.6% marks in 2004.

TRAININGS ATTENDED:

- ❖ Training on “Techniques and Tools of Plant Molecular Biology” organized by the Centre for Plant Biotechnology, Hisar from 16th to 22nd December, 2011.
- ❖ Training on “Hands on training on plant tissue culture and molecular biology Techniques and Tools of Plant Molecular Biology” organized by the Centre for Plant Biotechnology, Hisar from 11th to January, 15th 2016.
- ❖ Two months project training during Bachelor Degree on “General Techniques in Plant Tissue Culture” at Centre for Plant Biotechnology, Hisar from 15th June to 15th August.

SEMINARS & WEBINARS:

- ❖ Participated in National Workshop on “Conceptual and Multidisciplinary view of Bioinformatics” organized at TITS, Bhiwani on 30th April, 2011.
- ❖ Performed duty as Organizing Secretary in the National Webinar on “Biotechnology; Applications and Perspectives” organized by Department of Biotechnology on 1st and 2nd March, 2021
- ❖ Participated in the National Webinar on “Wildlife and Environment Conversation in India: How to study direct and indirect field observations?” organized by Department of Zoology on 19th Jan, 2021

- ❖ Participated in the National Workshop organized by Internal Quality Assurance Cell(IQAC) on March 16-18,2021
- ❖ Participated in the National Webinar on “Geo-spatial Techniques and Covid-19: Challenges and Opportunities on 28th June ,2020
- ❖ Participated in final talk of DSC International Webinar Series on topics “Overview of Forensic Odontology” and Forensic Copmaritive Science-Generalizing Across Disciplines’ organized by Department of Forensic Science on 1-07-2020 at DayalSingh College Karnal.
- ❖ Participated in the National Webinar on **Avenues and Challenges for Agri-Entrepreneurship for a Self-Reliant Community**, organized by Department Of Extension Education and Communication Management, College of Home Science, SKRAU, Bikaner on 07 July, 2020.
- ❖ Participated in the National Webinar on “genetic engineering in security & sustainability during Covid -19 Pandemic” organized by Department of Sciences,FC College,Hisar held on 20th June, 2020
- ❖ Participated in the National Webinar on “Immunodulatory effects of antioxidants in combating Covid-19” organized by Life science Association D N College Hsar on June 27 ,2020.
- ❖ Participated in the National Webinar on ““Role of Science & Technology dring COVID-19 Pandemic ” organized by NCC unit D N College Hsar on June 12,2020.
- ❖ Participated in three days National Workshop on “Intellectual property Rights”from 12th March to 14th March, 2021.
- ❖ Participated in three days international training cum workshop on Agripreneurship: Opportunities and Current Challenges Organized by Agriculture Forum for Technical Education of Farming Society (AFTEFS) And Vital Biotech on Nov. 20 to 22, 2023.

PUBLICATIONS:

- ❖ *In vitro* Multiplication of Safed Musli (*Chlorophytum borivillianum* Sant et. Fernand) – Influence of Growth Regulators and Planting Substrate in International Journal of Advanced Biotechnology, Vol. I, Number 1, (2011), pp. 43-50.
- ❖ *In vitro* Multiplication of Safed Musli (*Chlorophytum borivillianum* Sant et. Fernand) for Large Scale Production through Direct Shoot Regeneration in International Journal of Advanced Biotechnology, Research Vol. 1, Number-1 (2011), pp. 51-59.
- ❖ Improvement of Onion and Garlic Production through Micropropagation in International Journal of Applied Biotechnology and Biochemistry ISSN 2248-9886 Vol. 1, Number 2 (2011), pp. 159-166.
- ❖ **RajRani** and Vivek Srivastav(2014).Effect of various growth regulators on direct regeneration of Brassica spp. Using stem disc as explants in Asian J. of adv.basic sciences:3(1),2014,43-47 ISSN (Online):2347-4114.www.ajabs.org
- ❖ **Rani, R.,** Jangra, S., Wadhwa Z. and Rani, A. 2017. Various metabolic changes during differentiation in callus culture of *Chlorophytum borivilianum*. *International Journal of Agriculture, Environment and Biotechnology*. **2**: 251-257.
- ❖ Zeenat Wadhwa, Vivek Srivastava, **Raj Rani**, Tanvi, Kanchan Makkar and Sumit Jangra. 2017. Isolation and Characterization of Rhizobium from Chickpea (*Cicer arietinum*). *International Journal of Current Microbiology and Applied Science*. 6(11): 2880-2893.

- ❖ Tanvi, Vivek Srivastava, Zeenat Wadhwa, **Raj Rani**, Kanchan Makkar and Sumit Jangra. 2017. Isolation and Diversity Analysis of Soil Metagenome. *Asian Journal of Advance Basic Sciences* 5(2): 69-73.
- ❖ Vivek Srivastava, **Raj Rani** 2019. Isolation and Characterization of *Acetoacetic Bacteria* from Decomposed Fruits. *J.Biol.chem.chron.*2019, 5(1), 123-129. ISSN (Print):2454-7468.ISSN (online):2454-7476. www.eresearchco.com/jbcc/
- ❖ Poonam, ., Rani, A., Saharan, R., Chaudhary, T., Makkar, K., Rani, R., & Srivastava, V. (2022). Bacterial Flora of Vegetables Collected from the Supermarket and Vegetable Market. *International Journal of TROPICAL DISEASE & Health*, 43(13), 11–19.
- ❖ Mamta Sharma, Asha Rani, Ritu Saharan, RajRani, Kanchan Makker and Vivek Srivastava*(2023) .Nanoparticles-their advantages and applications: A review .International Journal of Recent Scientific Research. Vol. 14, Issue, 04 (A), 2980-2984.

Abstract:

- ❖ Tanvi, Zeenat Wadhwa, **Raj Rani**, Kanchan Makkar and Sumit Jangra. Effect of environmental and chemical parameters on soil metagenome. International Conference on Microbes for Health and Wealth held at MDU, Rohtak, on November 14, 2017. pp: 18-19.
- ❖ Zeenat Wadhwa, Vivek Srivastava, , Kanchan Makkar Radhika, Mansi and **Raj Rani** . 2017. Isolation and Biochemical Characterization of *Rhizobium* from Mungbean(*vigna radiata*) root nodules. National Conference on Biodiversity and environmental Sustainability in Modern Era held at CRM Jat College, Hisar, on February 16, 2019. pp: 48.
- ❖ Zeenat Wadhwa, **RajRani**, Kanchan Kamra and Sumit Jangra. Agronanotechnology: future of agriculture. National Conference on Trends in Nanobiotechnology held at CCS HAU, Hisar during November 29-30, 2016. Pp- 71.

PAPER PRESENTATION:

- ❖ Presented a paper entitled “ *in vitro* regeneration of *chlorophytum borvilianum*” in international conference on “perspectives and challenges in pharmacy and health care systems” held at Manav Institute, Jevra Hisar on 21st -23rd september 2012.
- ❖ Presented a paper entitled “*Recent developments in physics for understanding complex systems such as cancer and to develop effective strategies for a cure*” in National conference on “New frontiers in physics” held at D.N. College Hisar on 12-13 march 2013
- ❖ Presented a paper entitled “ *The use of social media in yoga and benefit communication*” in National conference on “Yoga and diet for holistic health” held at D.N. College Hisar on 29 -30 March 2013.

PERSONAL INFORMATION:

Father’s Name : Sh.Chhaju Ram
Date of Birth : 10.08.1983
Gender : Female
Nationality : Indian
Languages Known : Hindi and English

(RAJ RANI)