



**Ph.D. in Botany**  
**Shoolini University, Solan (H.P)**

**DOB: June 27, 1994**

**Contact No. [8219186973](tel:8219186973), [9625671160](tel:9625671160)**

**Location: Bilaspur, Himachal Pradesh**

**Email Id: [chauhanpriyanka0234@gmail.com](mailto:chauhanpriyanka0234@gmail.com)**

### **Plant Stress Physiology and Ethno-botanical Studies**

To innovatively add value to the team work, to gain qualitative knowledge and use my inter-personal skills to serve the organization to the best of my capabilities and to work in an organization as a developer where I can utilize my skills in the best way.



### **Education**

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- **Doctorate, Ph.D. in Botany**  
Shoolini University  
Solan, Himachal Pradesh  
**Doctorate, July, 2022**  
OGPA: 8.27
- **Master, Master in Botany**  
Shoolini University  
Solan, Himachal Pradesh  
**Post-Graduated; June, 2017**  
Marks: 73.6%
- **Bachelor, Bachelor in Education**  
Himachal Pradesh University  
Gyan Path Summer Hill, Shimla (H.P)  
**Graduated; September, 2015**  
Marks: 65.7%
- **Bachelor, Bachelor in Botany**  
Swami Vivekananda Govt. Degree College  
Ghumarwin, Himachal Pradesh  
**Graduated; July 2014**  
Marks: 54.5%
- **Secondary School (10+2)**  
Kendriya Vidyalaya, Rangapahar Cantt.  
Dimapur, Nagaland  
**August**  
Marks: 67.4%
- **High School (10<sup>th</sup>)**  
Assam Rifles High School  
Mokokchung, Nagaland  
**April, 2009**  
Marks: 68.2%



- Kumari A, Verma R, Sharma M, **Chauhan P**, Kumar A. Evaluation of Phytochemical, antioxidant, antibacterial and anti-cancerous activity of *Ficus auriculata* Lour. and *Osyris wightiana* Wall. ex Wight. Bulletin of Environment, Pharmacology and Life Sciences. 2018; 8;7(8): 64-70. **(Published)**
- **Chauhan P**, Sharma M, Radha, Puri S. Phytochemical Screening of *Acorus calamus* Linn. and *Cuscuta reflexa* Roxb. Annals of Agri-Bio Research. 2019; 24(1): 33-35. **(Published)**
- Choudhary S, Shriya, **Chauhan P**, Patania D, Pathania H, Ritika, Chaudhary N, Sharma M. Herbicidal effects of *Withania somnifera* L. leaf extract on *Cannabis sativa* L., *Hordeum vulgare* L. and *Cicer arietinum* L. Allelopathy Journal. 2021; 53(1): 69-82. **(Published)**
- **Chauhan P**, Pathania H., Shriya, Pathania D, Sharma M. Effects of exogenous hormones and nutrients on germination components of drought stressed *Cicer arietinum* L. API conference Chitkara University, HP, 2020. **(Published)**
- Sharma M, Bassi H, **Chauhan P**, Thakur P, Kumar R,. Inhibition of the bacterial growth as a consequence of synergism of Ag and ZnO: *Calendula officinalis* mediated green approach for nanoparticles and impact of altitude. Inorganic Chemistry Communications. 2021; 136. **(Published)**
- Pathania S, Pathania D, **Chauhan P**, Sharma M. Himalayan poisonous plants for traditional healings and protection from viral attack: a comprehensive review. Toxin Reviews. 2021 **(Published)**
- **Chauhan P**, Pathania H, Shriya, Neetika, Nidhi, Sakshi, Choudhary S, Sharma M, Rahatekar S, Kumar R, Kumar A. Solar Drying of Herbal Wealth in Eastern Himalaya: A Review. Frontiers in Heat and Mass Transfer. 2022; 18 (34) **(Published)**
- Pathania H, Chauhan P, Chaudhary V, Khosla A, Neetika, Kumar S, Gaurav, Sharma M. Engineering core-shell mesoporous silica and Fe<sub>3</sub>O<sub>4</sub>@ Au nanosystems for targeted cancer therapeutics: a review. Biotechnology and Genetic Engineering Reviews. 2022 Nov 30:1-29. **(Published)**
- Chauhan P, Jayaprakash GK, Soni I, Sharma M, Mojica-Sánchez JP, Rajendrachari S, Naik P. Understanding Antioxidant Abilities of Dihydroxybenzenes: Local and Global Electron Transfer Properties. Computation. 2023 Apr 26; 11(5): 88 **(Published)**
- Sharma M, Pathania H, Chauhan P, Choudhary S, Pathania D, Kumar A, Maithani R. Water Management by the Phytoremediation of Toxic Metals Present in Water A Review. In Application of Nanotechnology for Resource Recovery from Wastewater 2024 Feb 6 (pp. 216-236). CRC Press. **(Published)**
- Sharma M, Bassi H, **Chauhan P**, Thakur P, Kumar R, Torino E. Antimicrobial potential of Au-doped ZnO nanostructure synthesized by green method using *Calendula officinalis* floral extract. Applied Organometallic Chemistry (Communicated).

- Thakur S, Kumari A, Neetika, Nidhi, Guleria I, Chauhan P, Chauhan A, Nishant, Kumar A. Agroforestry trees mediated nanoparticles: antimicrobial and anticancerous activity with mechanistic approach. Biometals (Communicated).

## PATENTS

- ❖ Sharma M, Bassi H, **Chauhan P**, Kumar R, Pathania H, Chauhan A, Verma R. R. Gold doped zinc oxide nanoparticles and method of synthesis thereof. 2020; UTILITY PATENT. 202011011336.
- ❖ **Chauhan P**, Sharma M. A method and composition to enhance drought tolerance in *Cicer arietinum* L. UTILITY PATENT. 202111015040.
- ❖ Pathania H, **Chauhan P**, Sharma M. A process to Treat Seeds of *Vigna unguiculata* (L.) to enhance its potential. UTILITY PATENT. 202111054819.
- ❖ Pathania H, **Chauhan P**, Sharma M Evaluation of growth hormones application on *Cassia tora* L. seeds to alleviate drought stress. UTILITY PATENT. 202111058512.
- ❖ Pathania H, **Chauhan P**, Sharma M. Evaluation of growth nutrients application on *Cassia tora* L. seeds to alleviate drought stress. UTILITY PATENT. 202111058513.
- ❖ Pathania H, **Chauhan P**, Sharma M. Treatment Process to enhance Potential of *Cassia tora* (L) seeds. UTILITY PATENT. 202111060657.
- ❖ Thakur R, Pathania H, **Chauhan P**, Sharma M. Green synthesis, characterization and bioactivities of zinc oxide nanoparticles using *Strobilanthes auriculata* Nees. plant. UTILITY PATENT. 202111060877.



## Conferences

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### ➤ International Conferences

- International Conference on “Science: Emerging Scenario and Future Challenges” (SESFC-2018).  
Poster Presentation (ENV-12) on Evaluation of Phytochemical, antioxidant, antibacterial and anti-cancerous activity of *Ficus auriculata* Lour. and *Osyris wightiana* Wall. ex Wight. Bulletin of Environment, Pharmacology and Life Sciences.
- International Conference on Recent Advances in Agricultural, Environmental & Applied Sciences for Global Development (RAAEASGD-2019).  
Poster Presentation on Phytochemical Screening of *Acorus calamus* L. and *Cuscuta reflexa* R. under the theme Recent Advances in Biological and Applied Sciences.
- International Conference on Entrepreneurship Innovation and Research for Environmental Sustainability- Vasudev Kutumbkam-3 (VK3-2022)  
Young Innovator Talk on Effect of Drought Stress and Exogenous Nutrients Application on *Cicer arietinum* Seeds (**Received Appreciation Certificate**)

### ➤ **National Conferences and Workshops**

- National Conference on Environment and Natural Resource Management held at Shoolini University, Solan, H.P on 23-24 February 2017.
- National Workshop on Understanding and Practice of HPLC and GC-MS for Chemical Analysis” held in Shoolini University, Solan on 29 April-4 May, 2019.
- Workshop on Contemporary Research Methodology held in Shoolini University, on 10- 11 May, 2019.

### ➤ **Certificates**

- Delegate Participation in the “Eco Next Connect” Regional Youth Meet (Mission Eco Next) held in Shoolini University, Solan, on 28<sup>th</sup> May, 2019.
- Won third prize under Young Research Talks in International Conference (VK3-2022).
- Won Prizes and Certificates in Debate, Quiz, Essay Writing, Role Playing Competition on AEP by Ministry of Human resource development department of school education and literacy government of India held in Jawahar Navodaya Vidyalaya Khensa, Mokokchung, Nagaland.

### ❖ **Strengths**

- Dedication and Punctuality
- Flexible and Honest
- Always have keen interest to learn and take up challenges
- Team Worker

### ❖ **Work Experience and Training**

- Worked as Teaching Assistant in Department of Basic Sciences in Shoolini University, Solan.
- Worked as an Intern in Proctoring for Online exam during pandemic.
- Worked as an Intern in Admission Cell of Shoolini University, Solan.
- Currently working as Assistant Professor at Shoolini University, Solan, from Sept, 2023
- Currently working as Warden (Girls Hostel) under Good Host Spaces at Shoolini University, Solan.

### ❖ **Computer Proficiency**

- Microsoft Office
- Microsoft Excel
- Microsoft Power Point
- Microsoft Publisher
- PRISM Software
- SPSS Software
- End Note Software

❖ **Languages**

- Hindi
- English
- Kehloori

❖ **Personal Interests**

- Badminton
- Reading Books
- Singing, Listening Music

❖ **Personal Details**

- Father's Name: Sh. Jawala Chand Chauhan
- Birthday : Jun 27, 1994
- Nationality: Indian

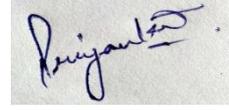
➤ **References/Recommendations**

Sr.No.	Name	Designation	Contact number
1.	Dr. Mamta Sharma	Assistant Professor Sardar Patel University, Mandi (H.P.)	7018578162
2.	Dr. Rachna Verma	Associate Professor Shoolini University, Solan (H.P.)	9816291543
3.	Dr. Amita Sharma	Patanjali Herbal Research Department, Patanjali Research Institute, Haridwar, Uttrakhand	9418409295
4.	Dr. Gururaj Kudur Jayaprakash	Assistant Professor Shoolini University, Solan (H.P.)	9538762343
5.	Dr. Neeraj Gandotra	Assistant Professor Shoolini University, Solan (H.P.)	9418247612
6.	Dr. Kamal Kant	Assistant Professor Shoolini University, Solan (H.P.)	9318516946
7.	Dr. Vijay Chauhan	Assistant Professor Shoolini University, Solan (H.P.)	9816937693
8.	Mr. Suraj Kanwar Singh	Former Senior Academic Counselor Shoolini University, Solan (H.P.)	9805444373
9.	Mr. Madan Chouthoy	Executive Coach(ICF ACC)	9881052000

		<b>Pune, Maharashtra</b>	
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**Declaration:**

I, Priyanka Chauhan, hereby declare that the information contained herein is true and correct to best of my knowledge and belief.



**Signature**

**Date: 4<sup>th</sup> May, 2024**

**Place: Solan**