Dr. Sorabh Chaudhary, Ph.D.

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Education Qualifications:

- **Doctor of Philosophy (Biotechnology)** with 8.2/10 OGPA in the Year 2017 **Sardar Vallabhbhai Patel University of Ag. & Tech.,** Meerut, Uttar Pradesh, India

- **Master of Technology (Biotechnology)** with 8.4/10 OGPA in the Year 2010 **National Institute of Technology**, Rourkela, Orissa

- **Bachelor of Technology (Biotechnology)** with 7.3/10 OGPA in the Year 2008 **Sardar Vallabhbhai Patel University of Ag. & Tech.,** Meerut, Uttar Pradesh, India

Area of Specialization:

- Molecular Microbiology (Host-pathogen interactions)
- Plant Biotechnology
- Recombinant DNA Technology
- Bioinformatics & Computational Biology
- Nanobiotechnology

Professional Experience:

Sep 2001 to May 2004 — Production Manager
Calix Herbal Ltd., Roorkee, Haridwar

Core responsibilities:

- Managing the Production of Ayurvedic Medicines.
- Worked for quality control measures right from the procurement of the raw materials to the shipment of finished products.
- Competitor Analysis of the products and product placement.

Teaching Experience:

- As **Guest Faculty** (6 months) in the Department of Biological Engineering and Science at Shobhit University, Meerut, Uttar Pradesh, India
- **One Year** as **Associate Professor & HoD**, Department of Biotechnology, Seth Vishambhar Nath Institute of Engineering & Technology, Barabanki-Lucknow Highway, Barabanki from **Dec, 2021 to Feb 2023**
- **Eight months** as **Associate Professor,** Department of Biotechnology, B.N. College of Engineering and Technology, Bakshi Ka Talab, Lucknow

Research Experience/Projects:

Dec 2010 to July 2013 **(2 years & 8 months)**	As **SRF** in a DST, New Delhi funded entitled "Functional analysis of three-way interaction among *Trichoderma harzianum*, Tomato and *Fusarium oxysporum* f. sp. *lycopersici* using transcriptomics approaches" in Dept. of Plant Pathology, SVPUA&T, Meerut
Oct 2017 to May 2021 **(3 years & 8 months)**	As **SRF** in a DST funded project entitled "Effect of potato based cropping sequences on virulence of *Rhizoctonia solani*, its variability and management" in Division of Plant Protection, ICAR-Central Potato Research Institute, Modipuram, Meerut
July 2021 to Dec 2021 **(6 months)**	As **SRF** in a DBT funded NBPGR-IARI collaborative research project "Leveraging genetic resources for accelerated genetic improvement of Linseed using comprehensive genomics and phenotyping approaches" in Division of Plant Pathology, IARI, Pusa, New Delhi.
Ph.D. Research project	Isolation and molecular characterization of *Rhizoctonia solani* causing sheath blight disease in Rice and functional analysis of its biocontrol by *Trichoderma* spp.
M. Tech. Project	Synthesis and Characterization of Silver Nanoparticles and their application on biological system

Training:

- Two month summer training on "**Molecular Biological Techniques used in Biotechnology**" under the supervision of Prof. Anant Rai, Division of Animal Biotechnology, IVRI, Izatnagar, Bareilly (UP) India.
- Two month summer training on "**Isolation and Characterization of Catalase Deficient mutants of *Saccharomyces cerevisiae***" under the supervision of Dr. Subhankar Paul, Dept. of Biotechnology, NIT, Rourkela.

Achievements/Awards/Fellowship:

- Qualified **Graduate Aptitude Test in Engineering (GATE)**
- Qualified **CSIR-NET**
- **Received 2nd prize** on poster presentation entitled" Morphological & Molecular Characterization of Native Strain of *Trichoderma*."- In: National Conference on Recent advance in Fungal Biotechnology" at FRI, Dehradun.

- Received **Promising Research Scholar Award** in International Conference of Food Agriculture and Innovation (ICFAI) at Bengaluru, Karnakata, India.
- **MHRD National Fellowship** (2008-2010) during master degree

Membership of Professional Societies:

- Lifetime member of Society of Biological Chemist (SBC), Bangalore, India
- Lifetime member of Indian Science Congress Association (ISCA), Kolkata, India
- Lifetime member of Society for Plant Research (SPR), Noida, Uttar Pradesh, India
- Lifetime member of Society for World environment, Food and Technology (SWEFT), New Delhi, India
- Lifetime member of Indian Society of Technical Education, India

Research Project Supervised:

- B. Tech. No. of groups **3**

Teaching:

Subjects taught at UG Level-

Genetic Engineering
Bioinformatics
Enzyme Engineering
Biochemistry
Animal Biotechnology
Techniques in Biotechnology
IPR & Bioethics
Biofuel & Alcohol Technology
Plant Biotechnology

Extracurricular activities:

- **Organized 1st International Conference** on "**Challenges and Opportunities in Food, Pharma and Biotechnology" (COFPB-22)** at **Department of Biotechnology**, Seth Vishambhar Nath Institute of Engineering & Technology, Barabanki-Lucknow Highway from Sep. 15-17, 2022.
- **Resource Person-Speaker** on **"Hi-Tech seed production system in potato"** in Workshop cum Seminar on **"Entrepreneurship in Rural Development"** organized by Department of Biotechnology, **B.N. College of Engineering & Technology, Lucknow** from March 9-10, 2022.

Administrative:

- **Member**, Proctorial Board Committee of the Institute (Session 2022-23)
- **In-charge**, Innovation and Entrepreneurship Cell of the Institute
- **Innovation Ambassador** registered with MoE & IIC
- **Institute Nodal Officer** registered with Vidyanjali Higher Education
- **Class Coordinator,** Department of Biotechnology, SVNIET

Workshop attended:

- Two days' workshop on "Intellectual Property Rights, Rules for patent in Agriculture" organized by Sardar Vallabhbhai Patel University of Ag. & Tech., and UPCAR, Lucknow from Aug. 22-23, 2016.
- Workshop on "Recent Trends and Tools in Bioinformatics and Information Technology" organized by Faculty of Biological Engineering, Shobhit University, Meerut, UP from Sep. 27-28, 2013.

Conference/Symposia attended:

- National Conference on "Bioactive compounds and Functional Foods in Health and Disease Management" organized by National Institute of Food Technology Entrepreneurship and Management, Sonepat, Haryana, India from Nov 15-16, 2013
- National Conference on "Ceramics in Bio-Medical Applications" organized by Department of Ceramic Engineering, NIT, Rourkela, Orissa from Jan. 21-22, 2010

Oral/Poster presented in Conference/Seminar:

- Poster presented in International Conference on "Advances in Agricultural and Biodiversity Conservation for Sustainable Development" organised by Department of Horticulture, CCS University, Meerut, UP from Oct. 27-28, 2017
- Poster presented in National Conference on "Plant Science Research: Looking Beyond 21st Century for Environmental & Agricultural Revolution" organized by Society of Plant Research & Department of Botany, Delhi University from Feb. 5-7, 2016
- Oral presentation in National Conference on "Science of Omics for Agricultural Productivity: Future Perspectives organized by Department of Molecular Biology & Genetic Engineering, G.B. Pant University of Agriculture and Technology, Pantnagar from March, 4-6, 2014
- Oral presentation in International Conference on Nanoscience and Nanotechnology organized by Department of Applied Physics, Babasaheb Bhimrao Ambedker University (Central University), Lucknow from Nov, 18-20, 2013
- Poster presented in National Conference Recent Advances in Fungal Biotechnology organized by Plant Pathology Division, FRI, Dehradun from Sep, 22-23, 2011

Personal Details:

Father name: Mr. Mange Ram Singh

Mother Name: Smt. Kiran Singh

Date of Birth: 01/07/1983

Sex: Male

Nationality: Indian

Marital Status: Married

Address: Vill.-Sadpur, P.O.-Rohana Mills, Dist.-Muzaffarnagar, U.P. - 251202

Publications (Citations- 417; h-index-10; i10-index-10):

Original Research Articles:

1. **Chaudhary S,** Lal M, Sagar S, Sharma S, Meena AL and Singh RK. Variability in morphology, oxalic acid production and mycelial compatibility grouping among *Sclerotium rolfsii* isolates causing Southern blight disease. Plant Pathol, 74(8): 2272-2278 (2025).
2. Lal M, Yadav S, **Chaudhary S,** Sharma S, Kumar M. Morphological and pathological variability of intra-field *Rhizoctonia solani* isolates in a Rice-potato rotation and their sensitivity to fungicides. Potato Res, 68(1): 503-530 (2025).
3. Verma P, **Chaudhary S,** Sagar S, Singh A, Singh M, Tomar A. Morpho-molecular characterization of native *Trichoderma* spp. isolates and their biocontrol efficacy against *Fusarium oysporum*. Vegetos, 1-11 (2025).
4. Prasad L, Kaushal A, Tewari N, Mehta N, Saharan MS, Tripathi UK, **Chaudhary S,** Pradhan T, Kumar A, Singh GP, Kaur V. Mining genetic resources for stable resistance to *Alternaria* blight disease of linseed (*Linum usitatissimum* L.). Crop Prot, 187: 106988 (2025).
5. **Chaudhary S,** Lal M, Sagar S, Sharma S, Meena AL and Kumar M. Variation in oxalic acid production, mycelial compatibility and pathogenicity amongst isolates of *Sclerotinia sclerotiorum* causing white mold disease. Vegetos, 37: 1294-1306 (2024).
6. **Chaudhary S,** Lal M, Sagar S, Sharma S and Kumar M. Black scurf of potato: an insight on understanding biology, diagnosis and detection, host-pathogen interaction and management strategies. Trop Plant Pathol. 49: 169-192 (2024).
7. Lal M, Yadav S, **Chaudhary S,** Sharma S and Kumar M (2023). Morphological and pathological variability of intra-field *Rhizoctonia solani* isolates in a rice-potato rotation and their sensitivity tofungicides. Potato Research, 68(1):503-530
8. **Chaudhary S**, Lal M, Sagar S, Sharma S, Meena AL and Kumar M (2023). Variation in oxalic acid production, mycelial compatibility and pathogenicity amongst isolates of *Sclerotinia sclerotiorum* causing white mold disease. Vegetos, 36: 435-447.
9. Lal M, Kumar A, **Chaudhary S**, Singh R. K., Sharma S and Kumar M (2022). Antagonistic and growth enhancement activities of native *Pseudomonas* spp. against soil and tuber-borne diseases of potato (*Solanum tuberosum* L.). Egyptian Journal of Biological Pest Control, 32:22 (**Impact Factor: 2.06**)
10. **Chaudhary S,** Sagar S, Lal M, Tomar A, Kumar V, Kumar J and Kumar M (2022). Morpho- genetic variability of *Rhizoctonia solani* population causing sheath blight disease in rice (*Oryza sativa* L.). J Environ Biol., 44(1): 108-121 **(Impact factor: 0.78**)
11. Lal M., **Chaudhary S.,** Rawal S., Sharma S., Kumar M., Chakrabarti SK (2021) Evaluation of bio-agents and neem based products against late blight disease (*Phytophthora infestans*) of potato.Indian Phytopathology, 74: 181-187.
12. Lal, M., **Chaudhary, S.,** Kumar, M., Sharma, S. and Chakrabarti, S.K. (2020). First report of collar and stem rot caused by *Rhizoctonia solani* AG1-IA on *Sesbania sesban* in India. Plant Disease. 104(12): 3251 (**Impact factor: 4.44**)
13. **Chaudhary S**, Lal M, Sagar S, Tyagi H, Kumar M, Sharma S, Chakrabarti SK (2020). Genetic diversity studies based on morpho-pathological and molecular variability of the *Sclerotinia sclerotiorum* population infecting potato (*Solanum tuberosum* L.). World J

Microbiol Biotechnol36:177 (**Impact factor: 4.22**)

14. **Chaudhary S,** Sagar S, Lal M, Tomar A, Kumar V, Kumar M (2020) Biocontrol and growth enhancement potential of *Trichoderma* spp. against *Rhizoctonia solani* causing sheath blight disease in rice. J Environ Biol 41:1034-1045. (**Impact factor: 0.78**)
15. **Chaudhary, S.,** Sushma, S., Mukesh, K., Lal, M., Vinay, K. and Akash, T. (2020). Molecular cloning, characterization and semi-quantitative expression of endochitinase gene from the mycoparasitic isolate of *Trichoderma harzianum*. Res J Biotech, 15:4.
16. Murti, S., Singh, R., Lal, M., **Chaudhary, S.,** Kumar, S., Kumar, A., Singh, Y. and Ali, M. (2020). Effect of Carbon, Nitrogen and Vitamins on epidemiological components of sheath blight of rice caused by *Rhizoctonia solani* Kuhn. Int J Curr Microbiol App Sci, 9(7): 1325-1332
17. Ali, M., Singh, R., Lal, M. and **Chaudhary, S.** (2019). Determination the role of weeds hosts in spreading of sheath blight from weeds to rice crop in western plain zone of Uttar Pradesh, India.

    Int. J. Curr. Microbiol. Appl. Sci., 8(9): 972-982.
18. Lal M, **Chaudhary S,** Yadav S, Sharma S, Chakrabarti SK and Kumar M. (2019). Developmentof spray schedules for management of late blight of potato using new chemicals. J Mycol Pl Pathol 49 (4): 405-412.
19. **Chuadhary S.,** Kumar M., Sengar RS, Chand P., Mishra P, Tomar A (2018) Effect of nutrient status, temperature and pH on mycelial growth, sclerotial production and germination of *Rhizoctonia solani* isolated from paddy fields. Progressive Agriculture, 18: 82-91
20. Kumar M., Gangwar R., Sagar S., **Chaudhary S.,** Kumar Y, Kumar V. (2018) Micro-propagation of Safed Musli (*Chlorophytum borivilianum*)- an endangered medicinal herb. Technofame, 7: 26-31.
21. **Sorabh Chaudhary,** Mukesh Kumar, R.S. Sengar, Pooran Chand, Prashant Mishra and Akash Tomar (2017). Antioxidative response in susceptible and resistant cultivars of *Oryza sativa* L. in response to infection by *Rhizoctonia solani*. South Asian J. Food Technol. Environ., 3(1): 507-515
22. Kumar, V., Chaudhary, V.P, Kumar, D., Sagar, S., **Chaudhary, S.** and Kumar, A. (2017). Efficacy of botanicals and fungicides against *Rhizoctonia solani* inciting sheath blight disease onRice *(Oryza sativa* L.). Journal of Applied and Natural Science 9 (4): 1916 -1920.
23. Kumar, A., **Chaudhary, S.,** Sagar, S., Kumar, V. and Kumar, M. (2016). Assessment of geneticdiversity among chickpea (*Cicer arietinum* L.) genotypes using EST-SSR markers and SDS- PAGE. Research Journal of Biotechnology Vol. 11 (4): 48-57.
24. Prasad, L., **Chaudhary, S.,** Sagar, S. and Tomar, A. (2016). Mycoparasitic capability of diverse native strains of *Trichoderma* spp. against *Fusarium oxysporum*. Journal of Applied and NaturalScience, 8(2): 769-776
25. Bakshi A., Kumar V., Sagar S., **Chaudhary S.,** Kumar R., Kumar M. (2016). Molecular characterization of chickpea (*Cicer arientum* L.) genotypes using sequence tagged microsatellitesite (STMS) markers. J Appl Nat Sci., 8: 1068-1074.
26. Prasad L., Sagar S., **Chaudhary S.,** Kumar N., Tomar A. (2012). Determination of biodiversity using ITS-PCR-CAPS markers for *Trichoderma* sp. from rhizospheric soil of different location in India. Vegetos, 25: 336-341.
27. **Chaudhary S.** and Paul S. (2012) Antimicrobial studies of Silver nanoparticle synthesized from *Vitis vinifera* extract. J Bionanosci, 6: 104-108

28. **Chaudhary S.,** Paul S. and Sagar S. (2012). Biosynthesis of silver nanoparticles using *Vitis-vinifera* extracts and evaluation of their antimicrobial activity. Int J Bio-Tech Res, 2: 1-12

29. Prasad L., Sagar S., **Chaudhary S.** and Tomar A. (2012). A modified method of mRNA extraction from fungi. Cibtech J Bio-protocols, 1: 18-22
30. Lal M, **Chaudhary S**, Yadav S, Sharma S, Kumar M (2024). Evaluation of translaminar fungicides and their tank mixed application with economics for management of Late Blight of Potato (Phytophthora infestans) in subtropical plains of India. Potato Journal, 51(2): 192-199.

31. Lal M, **Chaudhary S**, Yadav S, Sharma S, Kumar M (2024). Evaluation of translaminar fungicides and their tank mixed application with economics for management of Late Blight of Potato (Phytophthora infestans) in subtropical plains of India. Potato Journal, 51(2): 192-199.

32. Verma P, **Chaudhary S,** Sagar S, Singh A, Singh M, Tomar A (2025). Morpho-molecular characterization of native *Trichoderma* spp. isolates and their biocontrol efficiency against *Fusarium oxysprum.* Vegetos, 1-11

Review Papers:

1. **Chaudhary, S.,** Sagar, S. and Lal, M. (2019). A comprehensive overview on sheath blight diseaseof rice and its management. Agricultura, 111: 146-175

2. **Chaudhary, S.,** Sagar, S., Kumar, M., Sengar, R.S. and Tomar, A. (2016). The Use of Enzymes in Food Processing- An Overview. South Asian Journal Food Technol, Environ, 1 (3&4): 190-210.

3. **Chaudhary, S.,** Sagar, S., Tomar, A., Sanger, R.S. and Kumar, M. (2016). Banded leaf and sheath blight: a menacing disease of maize (*Zea mays* L.) and its management. Journal ofApplied and Natural Science, 8(3): 1720-1730

4. Rahul, SN., Khilari, K., Sagar S., **Chaudhary S.,** Kumar S., Vihan N., Tomar T. (2015). Challenges in postharvest management of fungal disease in fruits and vegetables- A review. SouthAsian J Food Technol Environ, 1: 126-130.

5. **Chaudhary S,** Lal M, Sagar S, Sharma S and Kumar M (2023). Black scurf of potato: an insight on understanding biology, diagnosis and detection, host-pathogen interaction and management strategies. Tropical Plant Pathology 49: 169-192. (**Impact Factor: 2.4).**

<u>Book Chapters:</u>

1. Kumar V, Srivastava A, Jain L, **Chaudhary S**, Kaushal P and Soni R (2022). Harnessing the potential of genetically improved bioinoculants for sustainable agriculture: Recent advances and perspectives. In: Soni R, Suyal D C, Yadav A N and Goel R (Eds.) Trends of Applied Microbiology for Sustainable Economy, Academic Press, Elsevier, pp. 319-341

2. Lal, M., **Chaudhary, S.,** Sharma, S., Subhash S. & Kumar, M. (2022). Bio-Intensive Management of Fungal Diseases of Potatoes. In: Chakrabarti, S.K., Sharma, S., Shah, M.A. (eds.) Sustainable Management of Potato Pests and Diseases. Springer, Singapore, pp. 453-493.

3. Kumar V, Jain L, **Chaudhary S** and Soni R (2022). Endophytes as Potential Plant Growth Promoters in Forestry. In: Microbes in Agri-Forestry Biotechnology, Taylor and Francis Publication, pp. 241-261.

4. **Chaudhary S**, Yadav SK, Verma P, Sagar S, Lal M (2024). Botanical insecticides for crop protection: Major classes and possible mechanisms of actions. In: Insecticides in Pest Control- Impact, Challenges and Strategies. IntechOpen Publication Ltd., London, United Kingdom

5. **Chaudhary S**, Verma P, Sagar S. (2024). Biochemical Conversion: Transforming waste into energy. In: Waste management for smart cities. Springer, Singapore, pp. 113-134.

6. Verma P, Singh M, **Chaudhary S**, Singh A (2024). Chemical sensors in smart waste management system. In: Waste management for smart cities. Springer, Singapore, pp. 105-112.

Details of Patent filed/owned & Technology Developed

(i) Contributed to the developed spray schedules for the management of late blight of potato using new chemicals.

(ii) Co-developer of two linseed germplasms (INGR-25074 & INGR-25075), officially registered with the Plant Germplasm Registration Committee (PGRC), ICAR (2025), contributing to national crop genetic resource enhancement.

Abstract Published in Proceedings of Conferences/Symposia:

1. Sagar, S., Kumar, N., **Chaudhary, S.,** Kumar, R., Purusottam, Tomar, A. and Prasad, L. (2011). "Morphological & Molecular Characterization of Native Strain of Trichoderma."- In: National Conference on Recent advance in Fungal Biotechnology" at FRI, Dehradun.
2. Sagar, S., **Chaudhary, S.,** Kumar, N., Kumar, R., Purusottam, Tomar, A. and Prasad, L. (2011). Biological Control Activity of Native Strain of *Trichoderma*."- Published in National Conference on Recent advance in Fungal Biotechnology, at RFI, Dehradun.
3. Tomar, A., **Chaudhary, S.,** Sagar, S., Prasad, L. Tomar, A. and Purushottam (2011). **"**A simple and fast technique for fungal flora isolation from soil samples". In: International Conference on "Issues for Climate Change, Land use Diversification and Biotechnological Tools for Livelihood Security" at S.V. Patel Univ. of Agric & Tech, Meerut (U.P.), India, on 8-10 October, 2011
4. Prasad, L. Sagar, S; **Chaudhary, S.** and Tomar, A. (2012). "Determination of biodiversity using ITS-PCR-RFLP of *Trichoderma* spp. Collected from various rhizospheric soils of different locations". In: International Conference on Plant Biotechnology for Food Security: New Frontiers, during Feb., 21-24, 2012 at NRCPB, NASC, IARI, New Delhi.
5. Sagar, S., **Chaudhary, S.,** Sengar, R. S., and Kumar, M. (2013) **"**what are processed food and their effect on health?**"** Published in National Conference on "Bioactive compound and functional foods in health and disease management" at NIFTEM, Sonepat, Haryana, India, on 15-16 Nov, 2013.
6. **Chaudhary, S.,** Sagar,S., Kumar**,** M. and Chand, P.(2014) **"**Silver nanoparticle enhanced the ethanol tolerance of *Saccharomyces cerevisiae***"** Published in National Conference on" science of omics for agricultural productivity: Future prospective" at G.B. Pant Univ. of Agric& Tech, Pantnagar (Uttarakhand), India, on 4-6 march, 2014
7. Sagar, S., **Chaudhary, S.,** Sengar, R. S. and Tomar, A. (2014) **"**Importance of bioinformatics as a tool for sugarcane research**"**Published in National Conference on" science of omics for agricultural productivity: future prospective" at G. B. Pant Univ. of Agric& Tech, Pantnagar (Uttarakhand), India, on 4-6 march, 2014.
8. Sagar, S., **Chaudhary, S.,** Kumar**,** M., Kumar,N. and Rahul,S.N.(2014)**"**Effect of global warming on agriculture field**"** in 2nd International Conference on "emerging food safety risks: Challenges for developing countries" at NIFTEM, Sonepat, Haryana, India, on 4-6 Jan, 2014.
9. Sagar, S., **Chaudhary, S.** and Singh, D. (2014). "A new concept of genetic enhancement: It is a drying art" Published in National Conference on Emerging Problems and Recent Advances in Applied Sciences: Basic to Molecular Approaches. Ch. Charan Singh University, Meerut, on 8-9 Feb, 2014
10. Sagar, S., Sengar, R. S., **Chaudhary, S.,** Rahul, S. N., Vihan, N., Tomar, P., Tomar, A. and Prasad, L. (2015). **"**Biological control with reference to integrated pest management in sugarcane**"** Published in National symposium on Integrated pest management for sustainable crop protection" at Division of entomology, IARI, New Delhi, on 24-25 Feb, 2015.

11. **Chaudhary, S.,** Kumar, M., Sagar, S., Rahul, S. N., Vihan, N., Tomar, A. and Prasad, L. (2015). **"**Nano-pesticides: Solution for a cleaner and greener agriculture**"** Published in

National symposium on Integrated pest management for sustainable crop protection" at Division of Entomology, IARI, New Delhi, on 24-25 Feb, 2015

12. Vihan, N., Sagar S., **Chaudhary, S.,** Rahul, S. N., Prasad, L. Tomar, P. and Tomar, A. (2015). **"**Genetically Modified Crop in Integrated Pest Management**"** Published in National symposium on Integrated pest management for sustainable crop protection" at Division of Entomology, IARI, New Delhi, on 24-25 Feb, 2015

13. Rahul, S. N., Khilari, K., Sagar, S., **Chaudhary, S.,** Kumar, S., Vihan, N., Tomar, A .and Prasad, L. (2015). **"**Entomopathogenic Fungus: Reliable and Effective Tools of Integrated Pest Management" Published in National symposium on Integrated pest management for sustainable crop protection" at Division of entomology, ICARI, New Delhi, on 24-25 Feb, 2015.

14. Kumar, A., Sagar, S., **Chaudhary, S.,** Rahul, S. N., Trivedi, P., Vihan, N., Yadav, M. K., Kumar, R., Dhyani, B. P., Purushottam and Tomar, A. (2016). Evaluation of Zinc solubilization potential of different native strains of Fluorescent *Pseudomonas.* 6th International conference "Plant, Pathogen and People". February 23-27, 2016 New Delhi.Pp. 97. (Orally Presented by Sagar, S.).

15. Trivedi, P., Sagar, S., **Chaudhary, S.,** Rahul, S. N., Vihan, N., Yadav, M. K., Kumar, R., Dhyani, B. P., Purushottam and Tomar, A. (2016). Phosphorus solubilizing activity of native *Pseudomonas* strains.6th International conference "Plant, Pathogen and People". February 23-27, 2016 New Delhi. Pp. 465.

16. Vihan, N., Sagar, S., **Chaudhary, S.,** Rahul, S. N., Yadav, M. K., Kumar, R., Dhyani, B. P., Prasad, L., Purushottam and Tomar, A. (2016). Phosphorus solubilizing activity of native *Trichoderma* and other microbial strains .6th International conference "Plant, Pathogen and People". February 23-27, 2016 New Delhi. Pp. 465

17. Kumar, S., Kumar, S., Sagar, S., **Chaudhary, S.,** Rahul, S. N., Yadav, M. K., Kumar, R., Prasad, L., Purushottam and Tomar, A. (2016). Studies for optimization of genomic DNA extraction protocol for fungi *Trichoderma*. National conference on Plant Science Research: Looking beyond 21st Century for environmental and Agriculture Revolution. February 5-7. Pp45.

18. Rahul, S. N., Khilari, K., Singh, R., Mishra, P., Sagar, S., **Chaudhary, S.,** Vihan, N., Tomar, A. and Prasad, L. (2016). Molecular and ITS based molecular characterization of native *Trichoderma* isolates. National conference on Plant Science Research: Looking beyond 21st Century for environmental and Agriculture Revolution. February 5-7. Pp48.

19. Rahul, S. N., Khilari, K., Singh, R., Mishra, P., Sagar, S., **Chaudhary, S.,** Jain, K. S., Tomar, A. and Prasad, L. (2016). Study of biocontrol efficacy and plant growth promotion of twenty native isolates of *Trichoderma spp.* National conference on Plant Science Research: Looking beyond 21st Century for environmental and Agriculture Revolution. February 5-7. Pp48.

List of Sequences submitted in NCBI GenBank:

1. Sagar, S.; **Chaudhary, S.;** Prasad, L.; and Tomar, A. (2012). Submitted ITS- rDNA sequences of *Trichoderma sp.* in GenBank under the Accession No.- KC 312631- KC 312654; JX23259- JX232597; KX139407- KX139409; KC121065, KT968710
2. **Chaudhary, S.,** Sagar, S., Rahul, S.N., Kumar, M., Sanger, R.S., Tomar, A. and Chand, P. (2016). Submitted ITS- rDNA sequences of *Rhizoctonia solani* in GenBank under the Accession No.- KU215866- KU215878; KT968709- KT968711; KU933588- KU933594; MF427842- MF427846
3. Rahul, S.N., Khilari, K., Tomar, A., Sagar, S., **Chaudhary, S.,** Singh, R. and Mishra, P. (2016). Submitted ITS- rDNA sequences of *Trichoderma sp.* in GenBank under the Accession No.- KU215909-KU215928.
4. Sagar, S., **Chaudhary, S.,** Rahul, S.N., Sengar, R.S., Tomar, A., Kumar, A., Singh, R., Chand P., Lal, R., Lal, S. and Panwar, L. (2016). Submitted ITS- rDNA sequences of *Colletotrichum falcatum* in GenBank under the Accession No.- KU220959- KU220963
5. Kumar, J., Kumar, M., Kumar, P., Tomar, A., Chand, P. and **Chaudhary, S.** (2021). Submitted ITS- rDNA sequences of *Trichoderma sp.* in GenBank under the Accession No.- MW776752- MW776761