Title Dr.	Suresh	First Name	Chandra	Last Name	Phulara	
Designation		Assistant Professor				
Dept. Name		Biotechnology				
Address:		Dept of Biotech, GBPIET, Ghurdauri, Pauri Garhwal, Uttarakhand, PIN-246194				
Phone No.		+91-9589104247				
Email		1. phulara.biotech@gmail.com			2. emailtophulara@gmail.com	
Web Page (if any)						
Subjects Taught		Biochemistry, Recombinant DNA Technology, Downstream Processing, Biomaterials, Neurobiology, Bioethics and IPR				
Areas of Interest/Specialization		Antiaging, Development biology, Microbial Technology, Biomaterials,				
Experience (in years)		Total				
		Industry	1 Y 6 M			
		Teaching	4 Y			
		Research	09 M			
Educational Qualifications		UG	Uttar Pradesh Technical University, Lucknow			
		PG	GBPIET, Pauri Garhwal, Uttarakhand			
		Doctorate	National Institute of Technology Raipur, Chhattisgarh			
		PostDoctorate	Hebrew University of Jerusalem, Israel			
Research Publications in Journals		Gupta, P., & **Phulara, S. C.** (2015). Metabolic engineering for isoprenoid-based biofuel production. *Journal of Applied Microbiology*, *119*(3), 605–619. Pandey, S., **Phulara, S. C.,** Jha, A., Chauhan, S., Gupta, P., & Shukla, V. (2019). 3-Methyl-3-buten-1-ol (isoprenol) confers longevity and stress tolerance in *Caenorhabditis elegans*. *International Journal of Food Sciences and Nutrition*, *70*(5), 595–602. Pandey, S., **Phulara, S. C.**, Mishra, S. K., Bajpai, R., Kumar, A., Niranjan, A., Lehri, A., Upreti, D. K., & Chauhan, P. S. (2019). *Betula utilis* extract prolongs life expectancy, protects against amyloid-β toxicity and reduces Alpha Synuclien in *Caenorhabditis elegans* via DAF-16 and SKN-1. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*.				

	Phulara, S. C., Chaturvedi, P., Chaurasia, D., Diwan, B., & Gupta, P. (2018). Modulation of culture medium confers high-specificity production of isopentenol in *Bacillus subtilis*. *Journal of Bioscience and Bioengineering*, *127*(4), 458–464. **Phulara, S. C.**, Chaturvedi, P., & Gupta, P. (2016). Isoprenoid-based biofuels: Homologous expression and heterologous expression in prokaryotes. *Applied and Environmental Microbiology*, *82*(19), 5730–5740. **Phulara, S. C.**, Chaurasia, D., Diwan, B., Chaturvedi, P., & Gupta, P. (2018). In-situ isopentenol production from *Bacillus subtilis* through genetic and culture condition modulation. *Process Biochemistry*, *72*, 47–54. **Phulara, S. C.**, Pandey, S., Jha, A., Chauhan, P. S., Gupta, P., & Shukla, V. (2021). Hemiterpene compound, 3,3-dimethylallyl alcohol promotes longevity and neuroprotection in Caenorhabditis elegans. *GeroScience*, *43*, 791–807. **Phulara, S. C.**, Shukla, V., Tiwari, S., & Pandey, R. (2015). Bacopa monnieri promotes longevity in *Caenorhabditis elegans* under stress conditions. *Pharmacognosy Magazine*, *11*(42), 410–416. **Runthala, A.**, Sai, T. H., Kamjula, V., Phulara, S. C., Rajput, V. S., & Sangapillai, K. (2020). Excavating the functionally crucial active-site residues of the DXS protein of *Bacillus subtilis* by exploring its closest homologues. *Journal of Genetic Engineering and Biotechnology*, *18*(1). Shukla, V., & **Phulara, S. C.** (2021). Impact of Culture Condition Modulation on the High-Yield, High-Specificity, and Cost-Effective Production of Terpenoids from Microbial Sources: a Review. *Applied and Environmental Microbiology*, *87*(4). Shukla, V., **Phulara, S. C.**, Yadav, D., Tiwari, S., Kaur, S., Gupta, M. M., Nazir, A., & Pandey, R. (2012). Iridoid compound 10-O-trans-p-coumaroylcatalpol extends longevity and reduces α synuclein aggregation in *Caenorhabditis elegans*. *CNS & Neurological Disorders Drug Targets*, *11*(8), 984–992. Shukla, V., Runthala, A., Rajput, V. S., Chandrasai, P. D., Tripathi, A., & **Phulara, S. C.** (2021). Computational and synthetic biology approaches for the biosynthesis of antiviral and anticancer terpenoids from Bacillus subtilis. *Medicinal Chemistry*. Shukla, V., Yadav, D., **Phulara, S. C.**, Gupta, M. M., Saikia, S. K., & Pandey, R. (2012). Longevity-promoting effects of 4-hydroxy-E-globularinin in *Caenorhabditis elegans*. *Free Radical Biology & Medicine*, *53*(10), 1848–1856.

Papers Published in Conference Proceedings	N/A
Books Authored/Book Volume Chapters	Gupta, P., & **Phulara, S. C.** (2021). *Biotechnology of Terpenoid Production from Microbial Cell Factories* (1st ed.). Elsevier Inc. Soni, R., Suyal, D. C., Sahu, B., & **Phulara, S. C.** (2021). Metagenomics: An Approach to Unravel the Plant Microbiome and Its Function. In *Phytomicrobiome Interactions and Sustainable Agriculture*. **Phulara, S. C.**, Rajput, V. S., Mazumdar, B., & Runthala, A. (2020). Metabolic and Enzyme Engineering for the Microbial Production of Anticancer Terpenoids. In N. Masood & S. S. Malik (Eds.), *Essentials of Cancer Genomic, Computational Approaches and Precision Medicine* (pp. 237–259). Springer

<table>
<tr><td></td><td colspan="3">Nature Singapore Pte Ltd. 2020.
Phulara, S. C., Ahmad, N., Mazumdar, B., & Rajput, V. S. (2020). Microbiological Advances in Bioactives from High Altitude. In R. Goel, R. Soni, & D. C. Suyal (Eds.), Microbiological Advancements for Higher Altitude Agro-Ecosystems & Sustainability, Rhizosphere Biology (pp. 327–373). Springer Nature Singapore Pte Ltd. 2020.</td></tr>
<tr><td rowspan="3">No. of Conferences</td><td rowspan="2">National-</td><td>Attended</td><td>Organized</td></tr>
<tr><td>07</td><td>NIL</td></tr>
<tr><td>International</td><td></td><td></td></tr>
<tr><td rowspan="3">Research Guidance</td><td rowspan="2">Awarded</td><td>PG</td><td>Doctorate</td></tr>
<tr><td>02</td><td>NIL</td></tr>
<tr><td>Undergoing</td><td></td><td></td></tr>
<tr><td rowspan="2">Research Projects</td><td>Completed</td><td colspan="2">NIL</td></tr>
<tr><td>Undergoing</td><td colspan="2">NIL</td></tr>
<tr><td>Awards & Distinctions</td><td colspan="3"></td></tr>
<tr><td>Administrative Assignments Handled</td><td colspan="3">• Departmental T&P placement In-charge
• Departmental Innovation and Entrepreneurship Cell In-charge</td></tr>
<tr><td>Association with Professional Bodies</td><td colspan="3">• Life member of Association of Microbiologist India
• Life member of European Federation of Biotechnology</td></tr>
<tr><td>Any other Achievements</td><td colspan="3"></td></tr>
</table>