

4. Dr. Sudheer Kumar Annepu



Name: Dr Sudheer Kumar Annepu

Designation: Scientist (Vegetable Science)

Date of Birth: 16.06.1987

Area of Specialization: Vegetable breeding; Molecular marker-assisted breeding; Carbon footprint studies; Biochemical and nutritional studies; Cultivation of exotic mushrooms; ICT tools.

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ERPID: 020403

Detail Profile

Education

Degree	Year of Passing	University/Institution
Ph.D. (Vegetable Science)	2021	Dr Y S Parmar University of Horticulture and Forestry, Nauni, HP
M.Sc. (Vegetable Science)	2011	Dr YSR Horticultural University, VRGudem, AP
B.Sc. (Horticulture)	2009	Acharya NG Ranga Agricultural University, Hyderabad

Professional History

Position	Year	Organization
Scientist	22.02.2021 to till date	ICAR- Indian Institute of Soil & Water Conservation, Research Center, Ooty (TN)
Scientist	01.04.2015 to 21.02.2021	ICAR-Directorate of Mushroom Research, Solan (HP)
Scientist (Trainee)	01.01.2015 to 31.03.2015	ICAR-NAARM, Hyderabad (TG)
Manager	01.06.2014 to 27.12.2014	Indian Bank, Visakhapatnam (AP)
Assistant Manager	26.12.2011 to 31.05.2014	Indian Bank, Visakhapatnam (AP)

Publications (summary)

S. No.	Publication	Number
1	Research Publications	32
	National	17
	International	15

2	Books	1
	Authored	1
	Edited	0
3	Book Chapters	12
4	Lead Papers	1
5	Radio talks	0
6	Technical/Research Reports/Compilation/Bulletins	11
7	Extension Folders/leaflets	0
8	Symposia/Workshop/Seminar Papers	12
9	Popular article	4
10	Professional Trainings attended	6
11	Consultancy project handled (Leader in 0&Associated in 0)	0
12	No. of training organized	
	Short-duration sponsored training(Trained:54)	3
	Soil Conservation Regular Training Course: (5½ or 4 months duration) (Trained: 0)	0
	B.Tech students Field Practical training-one to two months (No Students: 0)	0
13	Seminars/Symposia/Workshops/Summer or Winter School/Organized	6
14	External projects handled	5

Most important 5 Publications

1. **Annepu SK**, Sharma VP, Barh A, Kamal S, Shirur M, Kumar S, Bairwa RK, Gupta S, Gupta M, Dutta U, et al. Influence of Heat Treatment and Solid-State Fermentation on the Lignocellulosic Fractions of Substrates Supporting *Lentinula edodes* (Berk.) Pegler Cultivation: Implications for Commercial Production. *Fermentation*. 2023; 9(2):130. <https://doi.org/10.3390/fermentation9020130>
2. Barh A, Sharma K, Bhatt P, **Annepu SK**, Nath M, Shirur M, Kumari B, Kaundal K, Kamal S, Sharma VP, et al. Identification of Key Regulatory Pathways of Basidiocarp Formation in *Pleurotus* spp. Using Modeling, Simulation and System Biology Studies. *Journal of Fungi*. 2022; 8(10):1073. <https://doi.org/10.3390/jof8101073>
3. **Annepu, S.K.**, Sharma, V.P., Kumar, S., Barh, A., Banayal, S. and Kamal, S. 2018.Enzyme profile of shiitake mushroom strains grown on wheat straw. *Indian Journal of Horticulture*75(3): 475-481 DOI:10.5958/0974-0112.2018.00080.4
4. Nath M, Barh A, Sharma A, Verma P, Bairwa RK, Kamal S, Sharma VP, **Annepu SK**, Sharma K, Bhatt D, et al. Identification of Eight High Yielding Strains via Morpho-Molecular Characterization of Thirty-Three Wild Strains of *Calocybe*

indica. Foods. 2023; 12(11):2119. <https://doi.org/10.3390/foods12112119>

5. **Annepu SK**, Happy Dev Sharma, Anupam Barh, Rajesh Dogra, Vipin Sharma, Shivender Thakur, Vinay Verma, Kanika Sharma. 2023. Performance prediction of F1 crosses in eggplant (*Solanum melongena* L.) based on morphological and molecular divergence. *Genetika* 55(1): 45-60.

Google Scholar link
<https://scholar.google.com/citations?user=6hyuMWYAAAAJ&hl=en>

Research Gate link
<https://www.researchgate.net/profile/Sudheer-Kumar-Annepu>

Awards/Fellowships/Recognitions

S. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of award
1.	Uma Datt Mamagain Best Research Award at Doctorate level	Society for Advancement of Human and Nature (SADHNA), Dr YSPUH & F, Nauni (HP)	2022
2.	Yadvindra Young Scientist Award	Mushroom Society of India, ICAR-DMR, Solan, HP	2017
3.	Participated in “International training workshop on edible and medicinal mushrooms” of Agricultural Sciences(SAAS) held at Shanghai, China PR from August September, 2017.	Department of International Cooperation, Ministry of Science and Technology, China PR	2017

Research Projects as PI (On-going)

1. Re-composting of spent mushroom biomass for soil quality improvement and crop productivity enhancement (**Institute Funded**)

Research Projects as PI (Concluded)

1. Development of commercial-scale production technology for shii take mushroom (**Institute Funded**)

Other important responsibility

1. Editor, Mushroom Research- An International Journal
2. Officer In Charge- Research Farm, Technical Cell, Computer Cell.

Consultancies

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