



FACULTY PROFILE

Name of the faculty	Dr. Chaitra B S
Designation	ASSISTANT PROFESSOR
Contact Number	7760917624
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Educational Qualification

Degree	Specialization	University	Year of Passing
PhD	Biotechnology	Bangalore University	2021
MSc	Biotechnology	Bangalore University	2014
BSc	Biotechnology	Bangalore University	2012

Work Experience

Teaching	Research	Industry
6 months	5	

Publications

National/International Journals	National/International Conferences	Books Authored/Edited
6	4	

Area of Interest

<ul style="list-style-type: none">Biochemical Engineering	Biochemistry
<ul style="list-style-type: none">Molecular Genetics	

Membership in Professional Bodies/University Bodies/Organization

Publications National/International Journals

- B S Chaitra, Saraswathi, R Mamtha, Tannavi Kiran, R Sowrabha, Karthik V Rao and Manjulakumari Doddamane (2020). Identification of Accessory Gland Proteins from *Helicoverpa armigera*: a Comparative Study between Virgin and Mated Male Moths. *Research Journal of Agricultural Sciences*. 11(5), 1010-1019
- B.S. Chaitra, Saraswathi, R. Mamtha, Tannavi Kiran and D. Manjulakumari (2020). Tracking the changes in protein profile during mating in male accessory glands of *Helicoverpa armigera* (H). *Journal of Entomological Research*. 44 (1), 1-6.
- Mamtha R, Tannavi Kiran, B S Chaitra, Saraswathi Saraswathi, Sowrabha R, Karthik V Rao, Manjulakumari Doddamane (2021). Gene cloning, Prokaryotic Expression, and Bioassay of an Allatotropin in *Spodoptera litura* Fabricius (Lepidoptera: Noctuidae). *The journal of Basic and Applied Zoology*. 82(1), pp.1-10.
- Saraswathi Saraswathi, Chaitra Bodampalli Sarvesh, Tannavi Kiran, Mamtha Ravindran, Sowrabha Ramachandra, Karthik V. Rao and Manjulakumari (2020). A comparative protein profile of accessory glands of virgin and mated *Leucinodes orbonalis* males. *Physiological Entomology*. DOI: 10.1111/phen.12345
- Saraswathi, S., Chaitra, B.S., Tannavi, K., Mamtha, R., Sowrabha, R., Rao, K.V. and Doddamane, M (2020). Proteome analysis of male accessory gland secretions in *Leucinodes orbonalis* Guenee (Lepidoptera: Crambidae), a *Solanum melongena* L. pest. *Archives of Insect Biochemistry and Physiology*, 21672, 1-20
- Saraswathi, B. S. Chaitra and Manjulakumari Doddamane (2019). Transfer of Accessory Gland Protein/Proteins during Mating: a Study in *Leucinodes Orbonalis* Guenee. *Ann.Entomol.* 37(01), 81-86.
- Tannavi, K., Mamtha, R., Saraswathi., Chaitra, B.S. and Doddamane, M (2019). War against old world bollworm, *Helicoverpa armigera* (HUBNER): past, present and future. *Ann.Entomol.*, 37(01), 1-17,

National /International Conferences

- Chaitra B.S. and D. Manjulakumari. “Gel Electrophoresis technique to profile proteins of male accessory glands of *Helicoverpa armigera* H.” 40th Annual conference of Ethological Society of India and National symposium on “Behavioural Ecology and Management of Agriculturally Important Insects and Other Animals”, 27- 28 December 2016, University of Agricultural and Horticultural Sciences, Shivamogga, Karnataka.
- Chaitra B.S, Saraswathi, Tannavi kiran, Mamtha R and D. Manjulakumari. “Evidence for the transfer of secretory proteins from male accessory glands to female in *Helicoverpa armigera* H.” National conference on “Behavioural Ecology: Responses to changing climate” held at Hotel Ilark, Bhuj-Kachchh, organized by Gujarat Institute of Desert Ecology (GUIDE) on 24th - 25th, November 2017.
- Chaitra B S and D. Manjulakumari “Protein Profile of male accessory glands of *Helicoverpa armigera* H” National conference on “Science and technology for Inclusive Development” jointly organized by Karnataka Science and Technology Academy (KSTA) and Gulbarga University, Kalaburgi, Karnataka, held on 6th and 7th March, 2018.
- Chaitra B.S. and D. Manjulakumari. “Mating induced changes in the protein profile of accessory gland secretion and comparative analysis in *Helicoverpa armigera* H.” National conference on “Phytochemicals and microbial bioactive compounds – role in agriculture and human welfare (PMBC-2019)” organized by Department of Microbiology and Biotechnology, Bangalore University, Bangalore, held on 3rd and 4th October, 2019.

Awards/Recognition/Achievement/Others

- Received Best paper award and cash prize of Rs.10000/- from Karnataka Science and Technology Academy (KSTA), DST, Karnataka Government, at National conference on “Science and Technology for Inclusive Development”

