

**Brief curriculum vitae of**  
**Sharanabasappa S Deshmukh, KSNUAHS Shivamogga, Karnataka**

[https://www.researchgate.net/profile/Sharanabasappa\\_Deshmukh](https://www.researchgate.net/profile/Sharanabasappa_Deshmukh)

**Name in full** : **Dr. Sharanabasappa S. Deshmukh**

**Date of Birth** : **30.10.1976**

**Designation** : **Associate Professor**

**Present Address** : Department of Entomology  
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**Academic qualifications**

<b>Degree</b>	<b>University</b>	<b>Year of passing</b>	<b>Subject/ Specialization</b>
B.Sc. (Agri)	University of Agricultural Sciences, Dharwad	2000	<b>Agriculture and allied subjects</b>
M.Sc. (Agri)	University of Agricultural Sciences, Dharwad	2002	Pod borer complex of green gram with special reference to <i>Apion amplum</i>
Ph. D. (Entomology)	University of Agricultural Sciences, Dharwad	2007	Biointensive management of sugarcane woolly aphid

**Professional experience**

<b>Designation</b>	<b>College/ Title of the Project</b>	<b>From</b>	<b>To</b>	<b>Institution</b>
Associate Professor	College of Agriculture, Shivamogga	30.07.2021	Till date	Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga
Assistant Professor	College of Agriculture, Shivamogga	1.09.2011	30.07.2021	University of Agricultural and Horticultural Sciences, Shivamogga
Assistant Professor	Krishi Vigyan Kendra, Dakshina Kannada	30.07.2009	30.08.2011	University of Agricultural Sciences, Bengaluru

**Field of specialization:** Entomology – Toxicology, Biological control and IPM, Black soldier fly

**Significant Contributions:** I worked on bioecology and management of *Apion amplum* a major pest in Dharwad region on greengram and worked on population dynamics and bio-intensive management of sugarcane woolly aphid during my doctorate programme.

I started my career as Assistant Professor in 2009 at Krishi Vigyana Kendra, Dakshina Kannada under and conducted many on campus and off campus training to the farmers and department officials on management of pests of paddy, plantation crops and safe use of pesticides.

I also worked on banana skipper, *Erionota torus*, its natural enemies and management for the first time from Karnataka and presented a paper on banana skipper management in **XXV International Congress of Entomology held on September 25 to 30, 2016 in Orlando, Florida, USA.**

**I am the first person reported fall armyworm, *Spodoptera frugiperda* in May 2018 from Shivamogga and Davanagere districts of Karnataka, India and organized many trainings and served as a resource person in national and international conferences/ workshops. My fondness for fall armyworm earned me the nickname ‘Father of Indian fall armyworm’.**

He also served as a resource person and shared the experience on present status and management of fall armyworm at Nepal called by Government of Nepal and CIMMYT, Mexico in 2019 and PPRI, Cairo Egypt in 2021.

### **Research publications**

Research papers – 69 (National and International peer reviewed journals)

Research Notes - 25

Abstracts in conferences/ Seminars/ workshops/ - 60

### **Research projects operated**

<b>Sl. No</b>	<b>Title</b>	<b>PI / Co-PI</b>	<b>Funding agency</b>	<b>Total Rs (in lakhs)</b>	<b>Period</b>
1	Establishment of Plant health clinic and mass production of natural enemies	Co-PI	NHM	20.00	2009-2011
2	Research and development efforts in integrated root grub management in arecanut in hill and coastal zones of Karnataka	Co-PI	RKVY	40	2012-13
3	E pest surveillance and advisory services against pests and diseases of important crops of coastal and malnad region of Karnataka	PI	RKVY	70	2012-13

4	Bioefficacy of BAS 306 02 I 240 SC, BAS 440 01 I 5% DC and BAS 450 01I 300 SC against different pests in vegetables	PI	BASF	17.65	2016-2018
5	Efficacy of Chlorantraniliprole 625 g/L FS (Lumivia) for the management of fall armyworm in maize crop	PI	Dupont India Ltd	5.00	2018-19
6	Efficacy of PI 8007 20 % SC against fall armyworm (grain Purpose) of maize	PI	PI Industries Ltd	4.84	2019-20
7	Efficacy of Fortenza 600 FS and SYN 547407 for the management of fall armyworm and stem borer on maize crop	PI	Syngenta India limited	9.90	2018-2020

### Under Graduate and Post Graduate teaching

Sl. No.	Course No. / Credit hours	Course Title
1	AET 202 (2+1)	Insect Ecology, Principles of pest management and natural enemies
2	AET 301 (1+1)	Pests of crops, stored products and their management
3	AET 507 (1+1)	Biological control of crop pests and weeds
4	AET 508 (1+1)	Toxicology of insecticides

### M Sc/ Ph D thesis guided

(i) Master's Degree –13, (ii) Ph.D. Degree – 3

### Awards/fellowships/merits/recognitions/membership etc.,

Recipient of University General Merit Scholarship for Ph. D. Degree Programme.

Junior Scientist of the Year, 2009 by National Environmental Science Academy, New Delhi.

Scientist Award 2020 by Dr B. Vasantharaj David Foundation Chennai

Fellow of Entomological Society of India, New Delhi

Associate Editor, Indian Journal of Entomology, ESI New Delhi

Peer reviewer : Pest Management Science, Plos One, Animal Biology, Current Science

### WORKSHOPS ORGANIZED

Title	Place	Duration
Awareness and management of fall armyworm	UAHS Shivamogga	11.02.2019
Awareness and management of fall armyworm	UAHS Shivamogga	08.06.2019
State level webinar on Status and management of fall armyworm in maize	UAHS Shivamogga	10.09. 2020

### As a Resource Person in Workshop/ Trainings on fall armyworm

Title of the Programme	Date and Duration	Place
Fall armyworm management in sugarcane	15.03.2019	Organized by NFCSF, New Delhi held at Pune
Fall armyworm management in maize	03.07.2019	Organized by UAS Dharwad
<b>Workshop on fall armyworm preparedness and management</b>	<b>29 to 31.07.2019</b>	<b>Kathmandu, Nepal</b>
Feed the Future India Triangular Programme (International participants)	23.11.2019	MANAGE, Hyderabad
Season Long Programme on maize fall armyworm	5.12.2019	CIPMC Bangalore
An overview of fall armyworm (In national Webinar on fall armyworm)	16.07.2020	Bihar Agriculture University, Bihar
Impact of climate change and invasive alien species in agriculture	26.02.2021	S. V. Agricultural College, Tirupathi
<b>Exchange of international experiences on fall armyworm management (online)</b>	<b>4 to 5. 04.2021</b>	<b>Plant Protection Research Institute, Cairo, Egypt</b>
National Interactive workshop on time critical measures to support early warning, monitoring and sustainable management of fall armyworm in India	21 to 22.12.2021	NIPHM, Hyderabad, IIMR and CIPMC New Delhi

### Important publications on fall armyworm

#### 2023

NANDHINI, D., SHARANABASAPPA. S. DESHMUKH, KALLESHWARASWAMY, C.M., SATISH, K.M., & SANNATHIMMAPPA, H.G. (2023). Effect of host plants on the biology and nutritional indices of fall armyworm, *Spodoptera frugiperda* (J.E. Smith) (Lepidoptera: Noctuidae), *Animal Biology* doi: <https://doi.org/10.1163/15707563-bja10102>

#### 2022

PALAM PRADEEP, SHARANABASAPPA S. DESHMUKH, H. G. SANNATHIMMAPPA, C. M. KALLESHWARASWAMY AND DNYANESHWAR M. FIRAKE, 2022, Seasonal activity of *Spodoptera frugiperda* (J. E. Smith) in maize agroecosystem of South India, *Current Science*, 123 (11): 81-86.

PALAM PRADEEP, SHARANABASAPPA S. DESHMUKH, C. M. KALLESHWARASWAMY AND S. JESU RAJAN., 2022, Biology and predation potential of the hemipteran predator, *Rhynocoris marginatus* (Fab., 1794) on the fall armyworm, *Spodoptera frugiperda* (J. E. Smith) (Lepidoptera: Noctuidae), *Egyptian Journal of Biological Pest Control* 32:1-6.

## 2021

**SHARANABASAPPA S. DESHMUKH, C. M. KALLESHWARASWAMY, B. M. PRASANNA, H. G. SANNATHIMMAPPA , B. A. KAVYASHREE, K. N. SHARATH, PALAM PRADEEP AND KIRAN KUMAR R. PATIL, 2021, Economic analysis of pesticide expenditure for managing the invasive fall armyworm, *Spodoptera frugiperda* (J.E. Smith) by maize farmers in Karnataka, India. Current Science, 121(11): 1487-1492**

**SHARANABASAPPA S. DESHMUKH, S. KIRAN, ATANU NASKAR, PALAM PRADEEP, C. M. KALLESHWARASWAMY AND K. N. SHARATH, 2021, First record of a parasitoid, *Megaselia (M) scalaris* (Diptera: Phoridae) of fall armyworm, *Spodoptera frugiperda* (J. E. Smith) (Lepidoptera: Noctuidae) from India. *Egyptian Journal of Biological Pest Control*. 31: 84.**

## 2020

**SHARANABASAPPA DESHMUKH, PAVITHRA HB, KALLESHWARASWAMY CM, SHIVANNA BK, MARUTHI M.S., DAVID MOTA-SANCHEZ. 2020. Field efficacy of insecticides for control of invasive fall armyworm, *Spodoptera frugiperda* (J. E. Smith) (Lepidoptera: Noctuidae) on maize in India. *Florida Entomologist* 103: (2): 221-227.**

## 2019

**SHARANABASAPPA D, C.M. KALLESHWARASWAMY, J. POORANI, M.S. MARUTHI, H.B. PAVITHRA AND J. DIRAVIAM. 2019. Natural enemies of *Spodoptera frugiperda* (J. E. Smith) (Lepidoptera: Noctuidae), a recent invasive pest on maize in South India. *Florida Entomologist* 1029 (2): 619 -623.**

## 2018

**SHARANABASAPPA D, C.M. KALLESHWARASWAMY, R. ASOKAN, H.M. MAHADEVASWAMY, M.S. MARUTHI, H.B. PAVITHRA, KAVITA HEGDE, SHIVARAY NAVI, S.T. PRABHU, GEORG GOERGEN. 2018. First report of the fall Armyworm, *Spodoptera frugiperda* (J. E. Smith) (Lepidoptera, Noctuidae) an alien invasive pest on Maize in India. *Pest Management in Horticultural Ecosystems*. 24: 23-29.**

**SHARANABASAPPA D, CM KALLESHWARASWAMY, M.S. MARUTHI, H.B. PAVITHRA 2018. Biology of invasive fall army worm *Spodoptera frugiperda* (J.E. Smith) (Lepidoptera: Noctuidae) on maize. *Indian Journal of Entomology* 80(3): 540-543.**

### Book Published

- 1. Sharanabasappa S Deshmukh and M K Naik, 2022. Pesticide Usage in Agriculture Crops. Published by Communication Centre, KSNUAHS Shivamogga, Karnataka**