

## Bio-Data of Dr. Soumia P. S.

**Name** : Dr. Soumia P. S.

**Designation** : Scientist (Agricultural Entomology)

**Contact** : ICAR-Directorate of Onion and Garlic Research  
Rajgurunagar-410505, District- Pune (MS)  
Phone: +912135-222026 (O);  
Mob: +917972420241; Fax: +912135-224056  
e-mail: [soumia.s@icar.gov.in](mailto:soumia.s@icar.gov.in)



**Higher Degree** : Ph. D. (Entomology)

**Birth Date** : 12-03-1985

**Research Interest** : Insect Toxicology and IPM, Insect Molecular Biology

**Description of Research** : ➤ Integrated Pest Management of Insect Pest Complex of Onion and Garlic.  
➤ Weather based pest forewarning models

**Projects** : ➤ Integrated pest and disease management for minimization of losses and improving productivity of onion and garlic (Co-PI)  
➤ Conservation, Characterization and Utilization of genetic resources of *Allium* species (Co-PI)

### Publications :

#### 1. Research Paper :

- **Soumia P. S.**, Guru Pirasanna Pandi G. and R.D. Gautam. 2014. Influence of adult food supplements on reproductive potential of parasitoid, *Aenasius bambawalei*. *Annals of Plant Protection Sciences*, **22** (2): 190-192.
- **Soumia P. S.**, Srivastava, C., Dikshit, H. K. and Guru Pirasanna Pandi, G. 2015. Screening for Resistance against Pulse Beetle, *Callosobruchus analis* (F.) in Greengram (*Vigna radiata* (L.) Wilczek) Accessions. *Proceedings of National Academy of Sciences, India, Section - B Biology*, **79** (1): 82-85.
- **Soumia P. S.**, Srivastava C., Guru Prasanna Pandi G., Subramanian S. 2017. Varietal preference of pulse beetle, *Callosobruchus maculatus* (F.) in greengram. *Indian Journal Entomology*, **79** (1): 86-91.

#### 2. Popular Articles :

- **Soumia, P. S.**, Guru Pirasanna Pandi, G. and Thava Prakasa Pandian R. 2014. Neonicotinoid - A Major Culprit for Bee Colony Collapse Disorder. *Popular kheti*, **2**(4): 86-89.
- Karuppaiah, V., **Soumia, P. S.**, Guru Pirasanna Pandi, G. and Suresh, M. N. Insect pests of onion and garlic and their management. *Krishisewa*.
- <http://www.krishisewa.com/articles/disease-management/654-ipm-onion-garlic.html>

- Guru PirasannaPandi, G., **Soumia, P. S.**, Basana Gowda, G., Totan Adak and Mayabini Jena. Brown planthopper – A ravaging pest of rice ecosystem. *Krishisewa*.
- <http://www.krishisewa.com/articles/disease-management/684-brown-planthopper.html>
- Suresh, M. N., **Soumia, P. S.**, Guru Pirasanna Pandi, G., Sagar, D., Shashank, P.R. and Dharavath, S. 2016. Semiochemicals -An alternative method for stored pest management. *Krishisewa*.
- <http://www.krishisewa.com/articles/pht/655-semiochemicals.html>
- Sagar, D., Suresh, M. N., **Soumia, P.S.**, Guru Pirasanna Pandi, G. and Shashank, P. R. 2016. Psyllid pests of fruit crops and their management. *Krishisewa*.
- <http://www.krishisewa.com/articles/disease-management/667-psyliids-pests-fruit-crops>

### 3. Research Abstracts :

- Karuppaiah, V., **Soumia, P.S.** and Mahajan, V. 2017. Influence of climatic variability on insect pollinators diversity and abundance in seed Onion. *In Proceedings of International Conference on Food and Agriculture*” during February, 20-22, 2017 at JNU, New Delhi.p19.
- Karuppaiah, V., **Soumia P.S.** and Priyanka D Wagh. 2016. Biology of Almond moth, *Ephestia cautella* (Pyralidae: Lepidoptera) on garlic. *In proceedings of 2<sup>nd</sup> National symposium on Edible Allium: Challenges future strategies for sustainable production*, Jalna, Maharashtra.p.276.
- Karuppaiah, V., **Soumia, P.S.** and Priyanka D. Wagh. 2016. Bio-efficacy and safety evaluation of newer insecticides against Onion thrips, *Thrips tabaci* (Thripidae: Thysanoptera). *In Proceedings of “3<sup>rd</sup> International IUPAC Conference on Agrochemical Protecting Crops, Health and Environment”* during 6-9<sup>th</sup> April, 2016, IARI, New Delhi, India p.110.