



Arash Zibaei

Assistant Professor of Insect Physiology and Toxicology

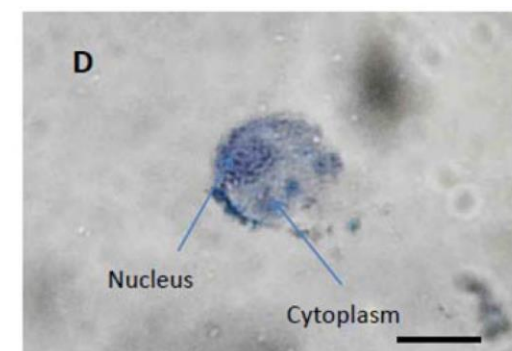
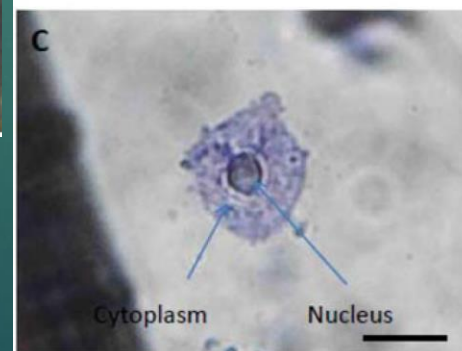
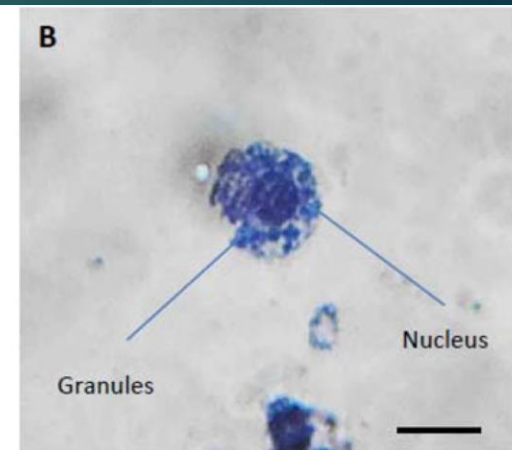
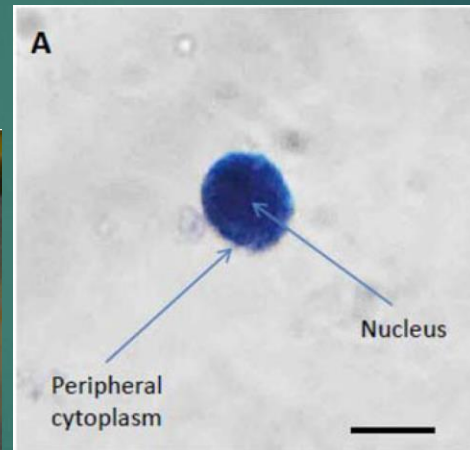
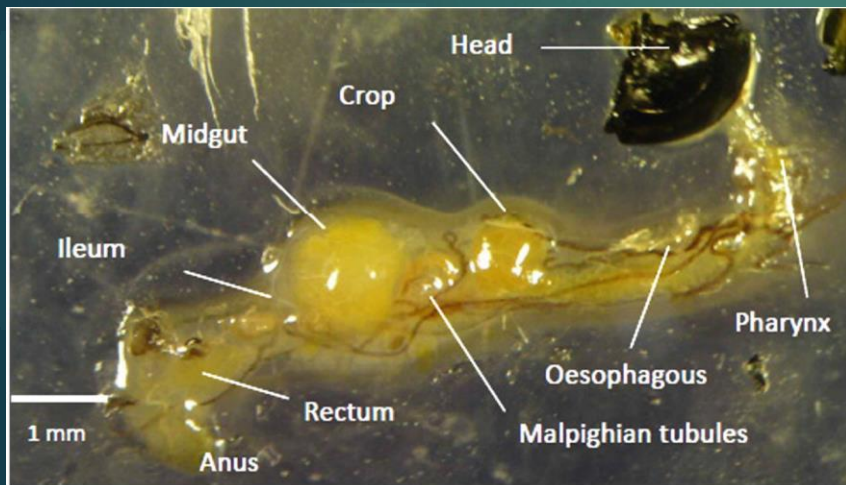
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<http://staff.guilan.ac.ir/zibaie/index.php?a=0&lg=1>

Areas of expertise

Insect Physiology and Toxicology including, immunology, nutrition, intermediary metabolism and gene expression



Background

I am working in department of plant protection, university of Guilan since September 2010. My research projects have been concentrated on purification and characterization of enzymes involved in nutrition and immunity of insects. Currently, I have initiated working on lectins and ribosome inactivating proteins by purification and feeding assays on digestion and cell apoptosis even in molecular levels.

Education & Positions

Research period: Invertebrate Genetics and Comparative Anatomy, Università Degli Studi di Modena e Reggio Emilia, Modena, Italy, 2010.

Ph.D. Insect Physiology and Toxicology, University of Tehran, 2010.

M.Sc. Agricultural entomology, Insect Resistance to Pesticides, University of Guilan, Iran, 2007.

B.Sc. Plant protection. University of Guilan, Iran, 2003.

Recent Publications

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Zibae, A., & Malagoli, D. (2014) Immune response of *Chilo suppressalis* Walker (Lepidoptera: Crambidae) larvae to different entomopathogenic fungi. *Bulletin of Entomological Research* **104**, 155-163.

Sorkhabi-Abdolmaleki, S. & **Zibae, A.** (2013) Secretagogue Mechanism of Digestive Enzyme Secretion in the Midgut of *Andrallus spinidens* Fabricius (Hemiptera: Pentatomidae). *Proceedings of National Academy of Science India, Section B: Biological Sciences* **82**, 373-379.

Ramzi, S. & **Zibae, A.** (2014) Biochemical properties of different entomopathogenic fungi and their virulence against *Chilo suppressalis* (Lepidoptera: Crambidae) larvae. *Biocontrol Science and Technology* **24**, 597–610.

Sorkhabi-Abdolmaleki, S., **Zibae, A.**, Hoda, H. & Fazeli-Dinan, M. (2014) Purification and characterization of midgut α -amylase in a predatory bug, *Andralus spinidens*. *Journal of Insect Science* **14**, Article 65, pages 1-13.

Delkash-Roudsari, S., **Zibae, A.**, Abbc-Mozhdehi, M. R. (2014) Digestive proteolytic activity in larvae and adults of *Bactrocera oleae* Gmelin (Diptera: Tephritidae). *Journal of Asia-Pacific Entomology* **17**, 483–491.
58, 151-162.

Ramzi, A. & **Zibae, A.** (2014) Digestive proteolytic activity in *Apodiphus amygdali* Germar (Hemiptera: Pentatomidae): effect of endogenous inhibitors. *Journal of Entomological and Acarological Research* **46**, 35-41.

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Collaborations

