

Sheila Prabhakar Abraham, Ph.D.

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Education

Kansas State University	Ph.D. Entomology	2002 - 2006
University College of Sciences Osmania University, India	M.Sc. Zoology	1999 - 2001
University College for Women Osmania University, India	B.Sc. Botany, Zoology Chemistry	1999 - 2001

Professional Experience

2006-2015 Traditional Courses (Developed* and Taught)

Associate Professor, College of Natural and Health Sciences

- ✚ Bioethics Lecture* (for majors)
- ✚ Biology I (for majors and non-majors) began teaching FL 2014
- ✚ Biology I lab (for majors and non-majors) began teaching FL 2014
- ✚ Biology II (for majors) began teaching SP 2015
- ✚ Cell and Molecular Biology Lecture (for majors)
- ✚ Ecology Lecture* (for majors and non-majors)
- ✚ Ecology Lab* (for majors and non-majors)
- ✚ Life Science Lecture* (for non-majors)
- ✚ Life Science Lab* (for non-majors)
- ✚ Zoology Lecture* (for majors and non-majors)
- ✚ Zoology Lab* (for majors and non-majors)

Division of Continuing and Adult Education/Evening Program/Online and Extension

- ✚ Life Science Lecture* (DCAE, Evening 8-week & 15-week and online format)
- ✚ Life Science Lab (for non-majors) Lab* (DCAE, Evening 8-week & 15-week and online format)

Research Publications

Hughes, M., Logue, J. & Prabhakar, S. (2015). A Temporal Analysis of a Single Live Oak Tree's Avian Community in Central Florida During Autumn Warbler Migration. *Florida Field Naturalist*, 43 (4) - Manuscript in press

Prabhakar, S., Asuthkar, S., Lee, W., Chigurupati, S., Zakharian, E., Tsung, A. J., & Velpula, K. K. (2014). Targeting DUSPs in glioblastomas—wielding a double-edged sword? *Cell biology international*, 38(2), 145-153.

Crook, D. J., Prabhakar, S., & Oppert, B. (2009). Protein digestion in larvae of the red oak borer *Enaphalodes rufulus*. *Physiological Entomology*, 34(2), 152-157.

Prabhakar, S., Chen, M. S., Elpidina, E. N., Vinokurov, K. S., Smith, C. M., & Oppert, B. (2007). Molecular characterization of digestive proteinases and sequence analysis of midgut cDNA transcripts of the yellow mealworm, *Tenebrio molitor* L. *Insect Mol. Biol*, 16, 455-468.

Vinokurov, K. S., Elpidina, E. N., Oppert, B., Prabhakar, S., Zhuzhikov, D. P., Dunaevsky, Y. E., & Belozersky, M. A. (2006). Diversity of digestive proteinases in *Tenebrio molitor* (Coleoptera: Tenebrionidae) larvae. *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*, 145(2), 126-137.

Vinokurov, K. S., Elpidina, E. N., Oppert, B., Prabhakar, S., Zhuzhikov, D. P., Dunaevsky, Y. E., & Belozersky, M. A. (2006). Fractionation of digestive proteinases from *Tenebrio molitor* (Coleoptera: Tenebrionidae) larvae and role in protein digestion. *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*, 145(2), 138-146.

Boina, D., Prabhakar, S., Smith, C. M., Starkey, S., Zhu, L., Boyko, E., & Reese, J. C. (2005). Categories of resistance to biotype I greenbugs (Homoptera: Aphididae) in wheat lines containing the greenbug resistance genes Gbx and Gby. *Journal of the Kansas Entomological Society*, 78(3), 252-260.

Book chapter

Divakar, B. J. and **Prabhakar, S.** (2002). "Entomopathogens in the Management of Agro-ecosystem." In "*Bio-inoculants for sustainable agriculture and forestry*". (Eds.) S. M. Reddy, S. Ram Reddy, M. A. Singara Chary and S. Girisham. Scientific Publishers, Jodhpur (India). pp. 125 – 132.

Curriculum development

Water, Wildlife and the Wilderness (2014). First edition of Polk County environmental education curriculum guide (teacher's guide and lesson plans) for grades 3-5

Awards and Scholarships

Outstanding Faculty of the Year Award 2015 at Southeastern University

Faculty Award for Excellence in Scholarship 2014 at Southeastern University

R. C. Smith Scholarship Award 2006 (\$250) as part of the departmental awards proving scholarship potential in entomology

Don C. Warren Genetic Fund Scholarship (\$ 1000) in Spring 2006

First place at the Graduate Student Competition held by the Plant Pathology Club, Kansas State University on April 22nd, 2005 for a five-minute talk on "Bio-energy"

Third place in the "Agriculture" section for an oral presentation on "Molecular Characterization of Digestive Proteinases of the Yellow Mealworm, *Tenebrio molitor* L." in the 10th Annual Graduate Research Forum held at Kansas State University on April 15th, 2005

R. H. Painter Scholarship Award 2005 (\$250) as part of the departmental awards proving scholarship potential in entomology





First place (Eugene Dehner Award) in the Ph.D. Oral Paper Competition at the 137th Annual Meeting of the Kansas Academy of Sciences held at Johnson County Community College, Overland Park, Kansas on March 18 and 19, 2005

NSF EPSCoR Graduate Student Travel Award effective from April 1, 2004 through December 30, 2004

"Graduate Student Council Travel Grant" by the Graduate Student Council, Kansas State University, Manhattan, Kansas

First place in poster competition at the 79th Annual Meeting of the Central States Entomological Society held on April 19th, 2003 at Kansas State University, Manhattan, Kansas

Professional Affiliations

-  The Center for Bioethics and Human Dignity, member
-  Lakes Education/Action Drive (LE/AD), member
-  Entomological Society of America, member
-  Cornwall's Alliance For the Stewardship of Creation

Presentations (2006 – 2015)

- Presented on “Lecture strategies – to lecture or not to lecture” at Best Ideas Faculty Seminar on November 9, 2014 at Southeastern University, Lakeland, FL
- Moderated two Science Breakout Sessions for Faculty at the AG Faculty Seminar held at Evangel, Springfield, Missouri on June 25th and June 26th, 2009
- Panelist (Sept. 27th, 2013) at the Faculty Research Panel in Mrs. Amy Harris's Honors Thesis class.
- Presented on Indian Culture, Literature, Art and Music at Prof. Kathryn Wainer's “Intro to Humanities” class from 4 -5 pm on April 26th, 2013, Oct. 9, 2013 and Apr. 25, 2014
- Presented at the Dialogue on Teaching Excellence Committee on “Lecture Strategies” on March 14th, 2012 and on “Enhancing Student Learning” on March 28th, 2012
- Panelist at the Bioethics Open Forum organized by SCMDA on January 21, 2009 and October 5, 2012 at Southeastern University
- “My study of a bug with guts” at the “Fall Colloquia on Global Warming” on the 1^{0th} of October, 2008 at Salon C, Tuscania Ristorante, Southeastern University, Lakeland, FL
- Guest lecture on “Indian Culture” in Dr. Velmarie Albertini's Cultural Diversity class on September 11, 2008 at 3:00- 4:05 at S 600, SEU campus, Lakeland, FL
- Presented research entitled “Sequence Analysis and molecular characterization of larval midgut cDNA transcripts encoding peptidases from the yellow mealworm, *Tenebrio molitor* L.” at the Department of Biochemistry, Osmania University, Hyderabad on July 9, 2008
- Presented a guest lecture on invitation over the topic “*In vitro* Fertilization” in the “Principles of Ethics” class at Southeastern University on April 15, 2008
- Presented a mini guest-lecture on India at the request of Dr. Michael Staples in the

Missions class

- October 8, 2007. The class was held from 1:00 – 1:50 at M 9.
- October 16, 2008. The class was held from 2:50- 4:50 pm at M 9.
- April 16, 2009. The class was held from 2:50- 4:50 pm at M 9.
- Presented a guest lecture entitled “Recounting the Journey from International Student to Professor” on November 14, 2007 at Tuscana Ristorante at Southeastern University
- Guest lecture on invitation at Webster University, Lakeland, FL on November 5, 2007. Lecture entitled “Traditional Asian Cultural values, behavior patterns, and implications for therapy”

Non-teaching Responsibilities and University Involvement

Committee Assignments

Institutional Review Board (IRB) (Fall 2015)

Council for Faith and Learning (summer 2015)

Ad hoc committee to clarify ranks of lecturer and instructor (2015)

Faculty Development Committee, Chair (2014-2015) and member (2011-2013)

University Assessment Committee (2013-2015)

Extended Education Committee (2013-2014)

Sabbatical ad hoc committee (2013-2014)

Writing Across the Curriculum Committee (2013-2014)

Faith Integration Seminar, member (2013-2015)

Departmental ad hoc committee, Chair (to revise and revamp PAC/PAR)

Dialogue on Teaching Excellence (Facilitator in FL 2013 and 2014, participant in SP 2012)

Advising Committee (2012-2013)

SEU Strategic Planning Committee and Academic sub-committee (2011-2012)

Grants and Publication Committee (2011-2012)

Library Committee

Affirmative Action Committee

Furthering the Integration of Religion, Science and Technology (FIRST)

Pre-Health Advisory Committee

Conferences and Seminars Attended: (2008 – 2015)

- Attended session I and session 3 “Living at the Lakes” conference hosted by Lakes Education/Action Drive (LE/AD) on October 16, 2014 and October 30, 2014 hosted by UF-IFAS and LE/AD held at the Rotary Park Clubhouse, Winter Haven, FL.
- Attended and participated in the AG Faculty Seminar held at Evangel, Springfield, Missouri, from June 25th-June 27th, 2014. Topic: **“Next 100 Years of Higher Education: Perils & Possibilities.”**
- Attended Southeastern’s Leadership Forum on Mar. 7, 2014 – AmyK Hutchens, Jon Meacham, Jonah Berger, Simon Sinek and Dr. Benjamin Carson.
- Attended two days of Amos Young’s seminar taught as a course on World Religions to the graduate students from the religion department (Summer 2013).
- Attended and participated in the AG Faculty Seminar held at Evangel, Springfield, Missouri, from June 28th-June 30th, 2011. **Topic: “Community and Diversity”**. Served as a moderator for the Science “Breakout” sessions during this conference
- Attended and participated in the AG Faculty Seminar held at Evangel, Springfield, Missouri, from June 24th-June 26th, 2009. **Topic: “Common Challenges of the 21st Century”**. Served as a moderator for the Science “Breakout” sessions during this conference
- Attended “Best Ideas” Presentations organized by Southeastern University (2008- 2015)

Honors (similar to a Valedictorian)

M.Sc.

Gold medal for ranking the highest in Entomology

Gold medal for ranking the highest in the M.Sc. Zoology in the university

B.Sc.

Mrs. Venkata Chalam Rolling Cup for securing the highest marks in Zoology in for the academic years 1996-1999

Shireen Shroff Rolling Cup for securing the highest marks in English during 1996-1998

Professional Development at SEU - Computer Skills

- Certificate of Completion - NIH web-based training course on “Protecting Human Research Participants.”
- Personalizing Online Courses workshop offered by CECT– Feb. 12, 2015
- Completed MT 202 and 203 – January 2015
- Southeastern University—October 2006—SEU Certificate of Achievement for Jenzabar EX AV Module Training.
- Southeastern University—December 2006—SEU Certificate of Achievement for Microsoft Outlook.
- Southeastern University—January 2007—SEU Certificate of Achievement for Blackboard Course Management.
- Southeastern University – January 2007- SEU Certificate of Achievement for MS Word I
- Southeastern University—May 2007—SEU Certificate for MS PowerPoint
- Southeastern University—May 2007—SEU Information Literacy
- Southeastern University — December 2008 New Features Vista and Office 2007 Learning Program
- Southeastern University-December 2008 – Introduction to Microsoft Word 2007 Learning Program
- Southeastern University-December 2008 – Introduction to Microsoft PowerPoint Learning Program

Student Advising Skills

- Seminar on Advising Declared Students
- Seminar on Advising Deciding students
- Seminar on Communication in Academic Advising
- SEU Institutional Offices and Departmental Information