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CURRICULUM VITAE

Dr. K. Yashkamal

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EDUCATIONAL QUALIFICATION

- **Ph.D. in Zoology (Ecotoxicology)** 2010. The Maharaja Sayajirao University of Baroda, Gujarat , India
- **Masters Degree in Zoology**, 2002.The Maharaja Sayajirao University of Baroda, Gujarat , India
- **Bachelors Degree in Zoology**, 2000. Sardar Patel University, Vallabh Vidyanagar, Gujarat , India

WORK EXPERIENCE

Teaching	Research and Development (Industry)
10 Months	09 Years

- **Assistant Professor** in the Department of Zoology, Vivekanandha College of Arts and Science for Women, Tiruchengode from June 2013 to April 2014.
- **PS & R Coordinator (Research Biologist Level 3)**for E.I.DuPont India Pvt. Ltd. from November 2011 till November 2012 as a part of DuPont Crop Protection Asia Pacific, Vadodara, India.
- **PS & R Biologist (Research Biologist Level 2)**for E.I.DuPont India Pvt. Ltd. from December 2008 till October 2011 as a part of DuPont Crop Protection India.
- **R & D Support Officer** for E.I.DuPont India. Pvt. Ltd. as a contract employee since March 2003 till December 2008 as a part of South Asia Field Experimental Station based at Vadodara, India.

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COUNTRIES VISITED

- **United States of America.** April 2009. No. of days – 20. **Purpose** – Meeting of Indian Team with Global leaders for **Technology Transfer and Training.** Introduction to novel chemistries under development.
- **China.** June 2010. Visit to Beijing. No. of days – 10. **Purpose** – Data Sharing with Asian Leadership and meeting of **R&D South Asian team for launch of Cyazypyr** (Benevia 10.26 OD)
- **Sri Lanka** March 2011. No. of days – 8. **Purpose** – **Global R&D meeting** data sharing and strategy development for novel compound under development.

AWARDS AND RECOGNITION

- Received award for **Excellent Performance and for Upholding DuPont Safety** standards during laboratory expansion project from E.I.DuPont Ind. Pvt. Ltd on 19th Oct. 2006.
- Received recognition for **Dedication to Job and Exceptional Performance** as a part of DuPont Research and Development Team on 27th March 2008.
- Received **Young Scientist Award** for my contribution to Research and Development work from E.I. DuPont on 7th July 2010.
- Received **P S& R award** for my contribution to the function from E.I. DuPont on 17th February 2011.
- Received **Recognition and monetary award** from E.I. DuPont Ind. Pvt. Ltd in June 2011 and September 2012 for support given to **Discovery team**, United States of America.
- Received **Positive Personality Traits award** from E.I. DuPont on 17th February 2011 and 23rd February 2012.
- Received **Eagle Eye Award for Excellence and Competency** from E.I. DuPont on 23rd February 2012.

STRENGTHS

- Flexibility to work in diverse environment.
- Team work and Team Building.
- Statistical analysis using Statistical Software *Minitab, Sigma stat, Prism 3.0 and Field Pro.*
- Expertise in Microsoft Office (Pivot tables in excel, charts, presentations etc.)
- Fluency and command over written and spoken English.

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PUBLICATIONS AND BOOK CHAPTER

1. **K. Yashkamal**, P. Vivekanandhan, R. Muthusamy, G. Vengateswari, and M.S. Shivakumar. 2021. May nanoparticles offer chances to avoid the development of insecticide resistance in mosquitoes? (2021) pp. 549-563 Applications of Nanobiotechnology for Neglected Tropical Diseases edited by F.R. Formiga, Inamuddin and P. Severino. <https://doi.org/10.1016/B978-0-12-821100-7.00019-4> **Academic Press Elsevier** ISBN 978-0-12-821100-7
2. **K. Yashkamal** and M.S. Shivakumar. 2014. Insect Biotechnology: New Avenues and Paradigms. Animal Biotechnology, Vol.1: pp. 303–318. ISBN: 1-62699-015-8. **Studium Press LLC, USA.**
3. Dolly Kumar and **K. Yashkamal**. 2009. Effect of pesticides on the survival and web building activity of social spider *Stegodyphus sarasinorum* (karsch, 1891). Indian Journal of Entomology. 17: 275-278.
4. Dolly Kumar and **K. Yashkamal**. 2011. Study on prey spectrum of social spider *Stegodyphus sarasinorum* (Araeneae: Eresidae) and its potential as biological control agent. Proceedings National Academy of Sciences India. Sect. B: Biological Sciences 81:171-189.

Peer Review : Journal of Ecotoxicology and Environmental Safety (Elsevier)

JOB RESPONSIBILITIES

A. Industry : E. I. DuPont India Pvt. Ltd.

- Actively involved in the **Research and Development of 3 Insecticides** viz. Coragen, Ferterra (Rynaxypyr – novel chemistry Diamides) and Benevia (Cyazypyr – novel chemistry Diamides)
- **Team Leader** for execution of the projects and ensuring timely completion.
- Attribute characterization of Products under development.
- Data sharing with Global leadership, **Review, Preparation of summary and reports for sharing with the Global leadership R&D** as well as Marketing Leadership in Crop Protection.
- **Planning, Co-ordination and Guiding the Insecticide Resistance Management Program** for Dupont India Pvt Ltd products with Field Development and Marketing team for the country.

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B. Academic: Vivekanandha Women's College of Arts and Science

- Guiding M. Sc. Students for research projects and report writing.
- Subjects taught: Cell Biology, Molecular Biology, Animal Biotechnology, Animal Physiology, Applied Entomology, Aquatic Biology.
- M.Sc. Projects guided (03 Students)
 - ✓ Evaluation of Jatropha oil and Tapioca seed extract (Shreya) Against Coffee Mealybugs (*Planococcus citri* and *Planococcus lilacinus*) - Jaseela M. (2013-14).
 - ✓ Toxicity of Soil Applied Fungicides Carbendazim and Metalaxyl on Earthworm (*Pheretima posthuma*) – Evaluation of sub-lethal toxicity on selected detoxifying enzymes – Geetha G. (2013-14).
 - ✓ Toxicity of Soil Applied Fungicides Carbendazim and Metalaxyl on Earthworm (*Pheretima posthuma*) – Evaluation of sub-lethal toxicity on histological and selected detoxifying enzymes – Kalamani R. (2013-14).

CONFERENCES AND SEMINARS

- **Oral presentation:** Impact of DuPont™ Cyazypyr™ (Cyantraniliprole) Insecticide for the Control of Major Pests and Plant Protection in Cotton. **Yashkamal K***, I. Billy Annan, V.Singh, R.Edoliya and RS.Rattan. IUPAC-sponsored 2nd International Conference on Agrochemicals Protecting Crops, Health and Natural Environment: Role of Chemistry for Sustainable Agriculture New Delhi. February 15–18, 2012.
- **Oral presentation:** DuPont™ Cyazypyr™ (DPX-HGW86, cyantraniliprole): Cross-Spectrum Insecticide for the Management of Pests in Chillies in India. N. Rao, I. Billy Annan, Rajul Edoliya, Vineet Singh, **Yashkamal K *** and Rameshwar Singh Rattan. IUPAC-sponsored 2nd International Conference on Agrochemicals Protecting Crops, Health and Natural Environment: Role of Chemistry for Sustainable Agriculture New Delhi. February 15–18, 2012.
- **Oral presentation:** Impact of DuPont™ Cyazypyr™ insect control (cyantraniliprole), on the Management of Pests of Cucurbit Crops Rameshwar Singh Rattan, I. Billy Annan, Lu Ren, Rajul Edoliya, Hector E. Portillo, Danny T. Tamayo, Fabio M. Andrade, Nageshwar Rao, Vineet Singh, **Yashkamal K *** and Juan M. Alvarez. IUPAC-sponsored 2nd International Conference on Agrochemicals Protecting Crops, Health and Natural Environment: Role of Chemistry for Sustainable Agriculture New Delhi. February 15–18, 2012.
- **Oral presentation:** Role of DuPont Cyazypyr™ (cyantraniliprole) in the Management of Major Pests of Rice in Asia. Vineet Singh, Yasushi Tokiwa, Katsuya Shima, Ung Park, Lu Ren, K.E. Ooi, Iskandar Zulkarnain, Oscar Edralin, Tanadul Saroch, Kam Loong Lee, Nageshwar Rao, **Yashkamal K ***, Rameshwar S. Rattan, Rajul Edoliya, Y.C. Hahn and

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I. Billy Annan. IUPAC-sponsored 2nd **International Conference on Agrochemicals Protecting Crops, Health and Natural Environment: Role of Chemistry for Sustainable Agriculture New Delhi**. February 15–18, 2012.

PERSONAL INFORMATION

- Sex: Female
- Marital Status: Married
- Date of Birth: 01.12.1978
- Address : 5/ 165, Palikadu, Thaneer Pandal Palayam P.O., Tiruchengode (tk), Namakkal, Tamilnadu- 637304, India

REFERENCES

- **Dr. A.V.Ramachandran** (Retired)
Dean of Science
The Maharaja Sayajirao University of Baroda
Vadodara, Gujarat, India
M: 9824365335
- **Dr. Rajul Edoliya**,
Vice President (Crop Protection Chemicals),
Coromandel International Ltd.,
Hyderabad, India.
- **Dr. Dolly Kumar** (Retired)
Professor,
Department of Zoology,
The Maharaja Sayajirao University of Baroda,
Vadodara, Gujarat, India.
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- **Dr. S.Senthil Nathan**
Professor and Head
Department of Environmental Science
Manonmanian Sundarnar University
Tirunelveli, Tamil Nadu, India
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- **Dr. M.S.Shivakumar**
Associate Professor
Department of Biotechnology
Periyar University, Salem, India
skentomology@gmail.com M: 9790477257