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Designation	Senior Scientist (Computer Applications) & OIC AKMU
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Academics	Ph. D. (Motion analysis of insects using DIP), 2009, NIT, Tiruchirapalli MCA, 1996, Osmania University B. Sc. (Computer Science), 1993, Andhra University
Research Experience	14 years
Service Particulars	<ul style="list-style-type: none">• Nov-1999 to April 2011 CPCRI, Kasaragod, Kerala, India• April- 2011 to till day CRIDA, Hyderabad, Andhra Pradesh, India
Research Areas	Image and video processing, GPU computing, Bioinformatics and ICT applications
Awards received	<ul style="list-style-type: none">• Received Jawaharlal Nehru Best Ph.D. thesis Award-2009 in the Award Ceremony-2010 held by ICAR, New Delhi on 16th July 2010 at NAS Complex, Pusa New Delhi.• Dr. C. S. Venkata Ram Memorial Best Original Research Paper for 2010 Award for K. Subaharan, N. Ravi Kumar and A. R. Prasad, “Electrophysiological and behavioural response of <i>Goniozus nephantidis</i> Muesbeck to plant and host volatiles induced by coconut black headed caterpillar, <i>Opisina arenosella</i> walk” at the PLACROSYM XIX (National Symposium on Plantation Crops) held at Rubber Research Institute of India, Rubber Board, Kottayam Kerala during 7-10 December 2010• Best Paper award for Kesavan Subaharan, Charles Sahayaraj, A.R. Prasad and N. Ravikumar, 2012. “<i>Effect of sub lethal dose of insecticides on electrophysiological and behavioral response of Bracon brevicornis Wesmel (Braconidae: Hymenoptera) a parasitoid of coconut black headed caterpillar, opisina arenosella Walker (Oecophoridae: Lepidoptera) published in International Journal Innovative Horticulture Vol 1: 74-78,</i>

Research Publications

Ravi Kumar, N., Subaharan, K., Janakiraman, T.N., Hemalatha Thiagarajan, and Raju. B.M.K. 2013. Detecting motion of insects in varied environments using digital image analysis. *Journal of Agrometeorology*, Special Issue-II, Vol:15, pp: 153-157

B. M. K. Raju, K. V. Rao, B. Venkateswarlu, A. V. M. S. Rao, C. A. Rama Rao, V. U. M. Rao, B. Bapuji Rao, **N. Ravi Kumar**, R. Dhakar, N. Swapna and P. Latha. 2013. Revisiting climatic classification in India: a district-level analysis, *Current Science*, Vol. 105(4), pp:492

S. Desai, M. Prabhakar, Y. G. Prasad, M. Srinivasa Rao, **N. Ravi Kumar** and V. U. M. Rao. 2013. Understanding the relationship between groundnut canopy level weather and observatory weather for leafspot disease prediction, *Journal of Agrometeorology* 15(2), pp : 115-119

V. Arunachalam, B. Augustine Jerard, S. Elain Apshara, C. Jayabose, K. Subaharan, **N. Ravikumar** and C. Palaniswami. 2013. Digital phenotyping of coconut and morphological traits associated with eriophyid mite (*Aceria guerreronis* Keifer) infestation. *Journal of Plantation Crops*, 41(3): 417-424

Kesavan Subaharan, Charles Sahayaraj, Prasad. A.R. and **Ravi Kumar, N.** 2012. Effect of sub lethal dose of insecticides on electrophysiological and behavioral response of *Bracon brevicornis* a parasitoid of coconut black headed caterpillar, *Opisina arenosella*. *International Journal of Innovative Horticulture* 1 (1): 74 – 78.

K. Subaharan, **N. Ravi Kumar** and A. R. Prasad. 2010. “Electrophysiological and behavioural response of *Goniozus nephantidis* Muesbeck to plant and host volatiles induced by coconut black headed caterpillar, *Opisina arenosella* walk”, *Journal of Plantation Crops, PLACROSYM XIX proceedings*

Sreekanth P.D., Geetanjali N., Sridevi P. D., and **Ravi Kumar N.**, 2009, Forecasting ground water level using artificial neural network, *Current Science*, 96(7): 933-939

Ravi Kumar, N., Janakiraman, T. N., Hemalatha, T., and Subaharan, K, 2008, Tracking the locomotion of coconut black headed caterpillar, *Opisina arenosella* and its parasitoid, *Goniozus nephantidis*, *Journal of Plantation Crops*, 36(1): 69-72.

Ravi Kumar, N., Janakiraman, T. N., Hemalatha, T., and Subaharan, K., 2008, Computerised Video Tracking and Motion Analysis of Insect Larvae *Opisina arenosella* Wlk, *International Journal of Computing and Mathematical Applications*, 2(1): 251-262.

Sreekanth P.D., Geetanjali N., Sridevi P. D. **Ravi Kumar N.**, 2008, Fusion between artificial neural network and fuzzy logic for predicting ground water level, *International Journal of Computing and Applications* 3(2):81-92

Ravi Kumar, N., Janakiraman, T. N., Hemalatha, T., and Subaharan, K., 2007, Automated Motion Tracking of Insects using Invariant Moments in Image Sequence, *Information Technology Journal* 6(8):1264-1269

Aruljar, S. and **Ravi Kumar, N.**, 2004, Cyber Extension for Transfer of Technology in India, *Journal of Plantation Crops* 32(Spl.) 445-453.

Ravi Kumar, N., Muralidharan, K., Sairam, C.V., Palaniswamy, C., Dhanapal, R., Arulraj, S., Anil Rai, Vipin Dubey, and Chaturvedi, K. K., 2002, Design of Data Marts for Plantation Crops, *Journal of Plantation Crops PLACROSYM – XV (Eds)* Page 784-790.

Membership

- Life member of Indian Society for Plantation Crops
- Life member of Indian Society of Agricultural Statistics
- Life member of Association of Agrometeorologists