



**ARIBAS**

**NEWS**

**ARIBAS research got international recognition** *New Vallabh Vidyanagar*

Mr. Ramesh Pandit pursuing PhD at ARIBAS received best poster award for the research work “Virulence aspects of *A. conoides* against *Meloidogyne* sp. of root-knot nematodes studied through RNASeq”



In this work Dr. Anju Kunjadiya Group studied differentially expressed genes in *A. conoides* (nematode trapping fungus) in the presence and absence of prey nematode (*Meloidogyne* sp.) extract through transcriptome sequencing. *A. conoides* is a nematophagous fungi and natural rival of nematodes, which check the nematode population in soil. The root knot nematodes especially *Meloidogyne* sp. is important pests, causing billions of dollars damage to the world’s agriculture crop production. The research work is funded by Gujarat State Biotechnology Mission (GSBTM), Gandhinagar, Gujarat.

The award was given in International Conference on NextGen Genomics & Bioinformatics Technologies (NGBT) held on 14-16th Nov. 2013 at CSIR-IGIB, New Delhi organized by SciGenom Research foundation (SGRF).

**Pride of ARIBAS** *New Vallabh Vidyanagar* ARIBAS won nine prizes in UDAAN, youth fest organized by Progressive Group of Collages, ANAND Gujarat. Prizes won in the following category, 1<sup>st</sup> Prize in Mime, 2<sup>nd</sup> in Creative dance-2<sup>nd</sup> prize in Photography, 2<sup>nd</sup> in Skirt, 2<sup>nd</sup> in Tableau, 3<sup>rd</sup> in Extempore, 3<sup>rd</sup> in Mimicry, 3<sup>rd</sup> in Quiz and 3<sup>rd</sup> in Western group song. Congratulations to ARIBAS Cultural committee Convener, LR and all the boys and girls of the very hardworking team.

**Plastic-eating bugs may tackle waste crisis** *New Vallabh Vidyanagar*

A&R Patel Institute of Biotechnology and Allied Sciences (ARIBAS), Anand of Charotar Vidya Mandal tested gluttonous bacteria on plastic pellets collected from the Umreth landfill site.

The team of researchers under Devjani Banerjee at ARIBAS identified one bacteria belonging to the family of Micrococcaceae gram positive bacteria and two bacteria belonging to the Enterobacterceae family that decomposed three different types of plastics — low

density polyethylene, polypropylene and polyvinyl chloride powder.



**Charotar Croc census by VNC & SWAN” New Vallabh Vidyanagar 1<sup>st</sup> December 2014**

As a part project of “Status, distribution and conservation of Muggers in Charotar, Gujarat” On 14<sup>th</sup> and 15<sup>th</sup> of December 2013, Voluntary Nature Conservancy (VNC) and SWAN (Society for Wildlife and Nature) Club of ARIBAS did a survey. Crocodiles inhabit on the land of Charotar from more than 50 years exhibiting a mutual relationship with the human beings and other animals. The purpose of the survey was to count number of crocodiles residing in villages of Charotar and to know about people’s attitude towards them. Vaso, Deva, Nagra, Traj, Machiel, Gangapura, Marala, Heranj, Malataj and many more villages were visited as a part of survey. Approximately 40 volunteers tookpart in this survey among them 11 volunteers are of SWAN along with convenor Dr. Digvijaysinh Rana were involved for the survey. Volenters surveyed in 30 villages under the guidance of Mr. Dhaval Patel (VNC).

As per the gathered data most significant findings are: (1)About 85 crocodiles were reported by students during survey and observed doing basking activity, swimming, and resting on bank side. Maximum basking activity was observed between 12 pm to 4 pm. (2). Over 95% people liked crocodiles in their villages and did not have any problem with their stay and conservation in their village. There were no incidents of attack on humans and livestock registered except in two villages. Even fishing activities are carried out in these villages.

