

ISCE Newsletter, Volume 28, Number 2, 2011

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Secretary / Editor's Message

Dear members! The next annual meeting of our society is coming closer. Erika Plettner, the host of the meeting in Vancouver, Canada, is busy preparing our get-together. For further information on this next ISCE meeting, please have a look at <http://www.sfu.ca/~isce/>

The preliminary date for the ISCE meeting in 2012 in Vilnius, Lithuania, is July 22 – 26, 2012. Vincas Buda will be the host of this meeting.

During the last weeks, we have presented several candidates for vacant councilor positions and other executive committee positions. Finally 218 of our members have voted, and the results are shown below. We welcome our new Vice President Ring T. Cardé, our new Treasurer Jeremy D. Allison and our four new Councilors Hans T. Alborn, Carmen Rossini Caridad, Maria Carolina Blassioli Moraes and Alejandra J. Troncoso. Our councilors are important for our society life, for all scientific, business, and social issues of the ISCE. We look forward to the input of our new councilors and members of the executive committee!

And we are looking forward to meeting you in Vancouver and having the chance to present and discuss our recent scientific results, to promote new ideas and projects, and to enjoy our society life!

The ISCE home page is continuously updated, so please visit regularly the homepage for recent news.

Our new councillors:



Hans T. Alborn is a research chemist at USDA ARS Center for Medical, Agricultural and Veterinary Entomology, Gainesville FL. He might be best known as an analytical chemist/mass spectrometrists with a keen interest in the development and optimizing of GC/MS and LC/MS based techniques. However,

his main research has always been focused on plant - insect interactions with a specific interest in host plant attraction and selection for feeding as well as oviposition and how these behaviors are affected by feeding induced plant responses. He is also interested in synergistic interactions between insect pheromones and constitutive as well as induced host plant volatiles. In addition he is also involved in below ground chemical ecology, studying nematode behavior such as host attraction and pheromone mediated interactions. Dr. Alborn has authored/co-authored more than 60 publications of which 15 have been in the Journal of Chemical Ecology.



Carmen Rossini Caridad was born in Uruguay (January 8th, 1967). She graduated as a Bachelor (Chemistry) in 1989 and with a Pharmaceutical Chemist degree in 1992, both at the Universidad de la República (Uruguay). She completed her doctoral studies at Cornell University with Professor Thomas Eisner (1999) where she studied dynamics of chemical defenses in insects. She has also spent a time with Professor Isao Kubo at Berkeley (2005) and two periods of time at the Consejo Superior de Investigaciones Científicas (CSIC), Madrid with Dr. Azucena González-Coloma (2007, 2009), in both cases working with chemical defenses from plants. Currently she is an Associated Professor at the Chemistry School (Universidad de la República) where she co-founded the Chemical Ecology Laboratory (<http://leq.fq.edu.uy/>). At present, Carmen teaches Biology for the Chemistry Major, and Chemical Ecology (Chemistry Major and graduated students). She has published 41 papers which include different topics on Bioactive Natural Products (CV at http://www.anii.org.uy/SNI_areas.php?area=1). Since her coming back to Uruguay, she has got several international and national grants; and has been awarded national and international awards including the National Prize of the Veterinary Academy (2009), and a TWAS-Rolac award for young scientist (2006) for her studies on semiochemicals. Recently, she co-organized the 1st Meeting of the Latin American Association of Chemical Ecology (ALAEQ), being currently a member of the ALAEQ board. Carmen is now working on chemical and biological characterization of secondary metabolites (chemical defenses from plant and insects, botanicals and insect-plant interactions).



Maria Carolina Blassioli Moraes was born in Brazil in November 20th November, 1970. She graduated with a Bachelors Degree in Chemical Technology from the University of Campinas – SP, Brazil (1995), a Master's degree in Chemistry from the University of São Paulo – São Paulo – SP, Brazil (1997), and a Ph.D. in Analytical Chemistry from the University of São Paulo – SP, Brazil (2001). She spent two periods of time as a Post-Doctoral Research Fellow , the first one in 2002 at the Centre for Nuclear Energy in Agriculture (Cena / USP), After completing the first fellowship, she officially joined the staff at Embrapa Genetic Resources and Biotechnology (CENARGEN, Brasilia) in 2002 as a research scientist in the Chemical Ecology group. At the start of her employment with CENARGEN, Dr. Moraes has visited the Laboratory of Jeffrey Aldrich (USDA-ARS) and Jocelyn Millar (University of California - Riverside) to gain experience with her new research area. In 2005, she undertook her second post doctorate at Rothamsted Research – England, alongside Mike Birkett and John Pickett, from where she gained experience in Chemistry with emphasis in analytical chemistry, acting on the following topics: elucidating the chemical basis of cis-jasmone induced defence in wheat and soybean for aphid and stinkbug control, the identification of stinkbug sex pheromones, including deployment of novel analytical techniques for undertaking these investigations. She has been an ISCE member since 2005 and has been attending the ISCE meeting regularly since then. She has been building her curriculum with relevant works regarding the Chemical Ecology subjects. During the last five years she has published 23 papers about Chemical Ecology studies and she is scientific adviser of the recently created Latin American Association of Chemical Ecology (ALAEQ), it shows her commitment to promoting chemical ecology in Latin America. She is academic councilor of Master and Ph.D. students from distinguished Universities from Brazil covering the main research subjects of chemical ecology such as, chemical characterization of volatiles molecules, insect behavior, and development analytical methods for semiochemicals studies involving tritrophic interactions. She received an award as distinct young scientist by the Distrito Federal State Foundation in 2009, and was also awarded several times by the Brazilian Agricultural Research Corporation (Embrapa) for her achievements on Chemical Ecology studies.



Alejandra J. Troncoso is currently working at the Laboratorio de Química Ecológica, Facultad de Ciencias, Universidad de Chile. She obtained her licentiate degree in Biology at the Universidad Mayor de San Simón (UMSS) in Cochabamba, Bolivia in 2002. The same year, she started a LANBIO fellowship at the Laboratory of Chemical Ecology at the Universidad de Chile under the guidance of Dr. Hermann Niemeyer. In 2005 she entered the PhD program in Ecology and Evolutionary Biology at the Universidad the Chile and continued her ecological chemistry training. To date, she has guided the research work of three LANBIO fellows from Bolivia, and two undergrads from Chile in diverse ecological chemistry research themes. Once she obtains her PhD degree she plans to return to Bolivia and start the first Ecological Chemistry Laboratory in Bolivia centered at UMSS and sheltered by the first Chile - Bolivia collaboration in Ecological Chemistry. Her research focuses on the influence of multitrophic interactions

(mediated by both physical and chemical cues) on the evolution of barriers to gene flow in sympatry.

Our new treasurer:



Dr. Jeremy D. Allison is an Assistant Professor at Louisiana State University. He received his undergraduate degree in Biology at the University of Guelph, and a Master of Pest Management (MPM) at Simon Fraser University (SFU). His MPM degree dealt with chemical ecology studies of long-horned beetles and bark beetles. His Ph.D. is from the University of California at Riverside (UCR) with a research focus on studies of the evolution of pheromone communication in Lepidoptera. He has had the pleasure of conducting studies with two ISCE Silver Medal Award winners (Professors John Borden at SFU and Professor Ring Cardé at UCR). His current research and teaching focus on integrated pest management and chemical ecology of forest insect pests. Some of his current projects include: 1) Investigation of chemically-mediated interspecific sub-cortical interactions among larval bark and cerambycid beetles; and 2) The role of pheromones in reproductive isolation and niche partitioning in southern Ips bark beetles.

Our new vice president:



Ring T. Cardé is Distinguished Professor of Entomology, holder of the A.M. Boyce Chair in Entomology, and until 2009 Chair of the Department of Entomology, University of California, Riverside, which he joined in 1996. His previous post was Distinguished University Professor and Head of Entomology at the University of Massachusetts. He started his academic career in 1975 at Michigan State University, following a postdoctoral with Wendell Roelofs at Cornell University's New York State Agricultural Experiment Station in Geneva. Ring grew up with a fascination for studying insects, particularly moths, and received a B.S. in Biology from Tufts University and M.S. and Ph.D. degrees in Entomology from Cornell University. His interests in moth biology led him to graduate work deciphering taxonomic and biological relationships in an obscure group of hard-to-tell-apart moths. In turn this led him to study pheromone communication in moths and how distinctive chemical channels foster reproductive isolation among closely related species. Of late his research group has concentrated on how flying male

moths and female mosquitoes use odor plumes to navigate a course to an odor's source, respectively, a pheromone-emitting female moth or a prospective vertebrate host. Such studies rely principally on analyses of video records of flight tracks and an understanding of the fluid dynamics of odor dispersion. He has published 230 scientific papers and reviews and edited 6 books on insect chemical ecology, pheromones, and insect biology. He is a Fellow of the Entomological Society of America, the Entomological Society of Canada, the American Association for the Advancement of Science, and the Royal Entomological Society. In 2009 he was awarded our society's Silver Medal.

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