



2ND ALAGOAS' MEETING ON EVOLUTION

Grupo de Estudos Sobre Evolução Biológica
(GESEB)

Project Report

2018

The 2nd Alagoas' meeting on Evolution

Our major goal until 2016 was to promote the first local meeting about evolution (named "*I Encontro Alagoano de Evolução*") in November 2016. With this event, we wanted to gather Evolution researchers of national and regional importance in Brazil, local education professionals and students, promoting exchange of experiences and knowledge on the theme. At 2018 we did the same, but with more impact. We realized the second edition of this local meeting. The "*II Encontro Alagoano de Evolução*" (2nd Alagoas' Meeting on Evolution) has counted with the most important researcher in biological evolution teaching and more than 50% of the speakers were from outside the state of Alagoas, bringing new ideas to be exchanged with the local professionals.

We are grateful to the grant awarded by the European Society of Evolutionary Biology, we could prepare an event with debates, lectures, short-term courses and oral presentations. At this edition we did not have posters presentation, because the number of submitted and approved researches was reduced in relation to the first edition.

By this way, in order to give special attention to public schools, we provided training for teachers about the main difficulties faced in the classroom when they need to teach evolution and suggested new methods. Additionally, secondary and high school students were able to participate in activities that elucidate evolutionary concepts. To this, we provided a discount to public schools teachers and gratuity for a high school student selected for each public schools teachers' subscribed in the meeting.

The event took place in the local Natural History Museum, which made possible to the participants to visit the exhibitions about Alagoas' biodiversity. There were 20 hours of diverse discussions, two short-term courses, 11 lectures, one round-table, 5 oral presentations and 85 participants from many institutions and a scientific illustration and photography contest. Beyond this, we have the pride to announce the release of the first Portuguese version of the "Origin of Species" rewired and translated by an skilled research. Named Nelio Bizzo, the most expressive Brazilian researcher at the evolution teaching, he was the reviewer and was in the meeting contributing with a lecture, a short-term course and, besides this, he made the launch of the book and explained some nuances of the translation, adding value to the event.

We also counted with the Federal University of Alagoas (*UFAL*), Natural History Museum of Alagoas, *Edufal* and *Edipro* (publishing companies), Cão do Mato Produções (a group of scientists-photographers) to support us that helped with gifts, electronic equipment, infrastructure, advertising and others supplies.

With the great teamwork of only 14 people, this Meeting was an example of willpower, stating that it is possible to put up a quality event about an important subject, integrate people from different school education and contribute to the local quality of life.

Schedule

	Wednesday (09.11)	Thursday (10.11)	Friday (11.11)
08h00 - 09h00	Short-term Courses	Short-term Courses	Lecture VII
09h00 - 10h00			Lecture VIII
10h00 - 11h00	Opening Ceremony	Short-term Courses	Oral Presentation
11h00 - 12h00	Lecture I		
12h00 - 13h30	Lunch		
13h30 - 14h30	Lecture II	Lecture V	Lecture IX
14h30 - 15h30	Lecture III	Lecture VI	Lecture X
15h30 - 16h00	Coffee Break		
16h00 - 17h00	Lecture IV	Round Table Discussion	Lecture XI

Lectures

Lecture I: The radicalism of the first edition of "Origin of Species": Charles Darwin in his greatness and servitude.

Lecturer: Nelio Marco Vincenzo Bizzo, PhD

Lecture II: The evolution of sexes and consequences.

Lecturer: Richard James Ladle, PhD

Lecture III: Genetics and adaptive evolution of yeasts with biotechnological importance.

Lecturer: Melissa Fontes Landell, PhD

Lecture IV: The evolution of coloration in the interaction between prey and predators

Lecturer: Felipe Malheiros Gawryszewski, PhD

Lecture V: Ecology and Evolution: A love story better than Twilight

Lecturer: Gracielle Higino, MSc

Lecture VI: Comparative phylogeography at the bottom of the Oceanic Planet: a case study of benthic polychaetes with different reproductive strategies on the Brazilian coast.

Lecturer: Karla Paresque, PhD

Round Table Discussion: Science Outreach.

Lecturers: Marcos Vital, PhD and Hugo Fernandes-Ferreira, PhD

Moderator: Gracielle Teixeira Higino, MSc

Release of the book "The origin of the species"

Lecture VII: Biogeography: the coordinates of life in evolutionary time

Lecturer: Kim Ribeiro Barão, PhD

Lecture VIII: Evolution and wild sex with transvestite dragonflies

Lecturer: Marcos Vinícius Carneiro Vital, PhD

Lecture IX: Molecular evolution: the incredible adaptations of DNA, RNA and proteins

Lecturer: Moezio de Vasconcellos Costa Santos Filho, MSc

Lecture X: We need reforming the Evolution Theory?

Lecturer: Rosana Tidon, PhD

Lecture XI: Evolutionary Trap: The consumption of plastic by animals in the ocean

Lecturer: Robson Guimarães Santos, PhD

Short-Term Courses

1. Replicators, genes and memes: an introduction to Richard Dawkin's neoateism

Lecturer: Maxwell Morais de Lima Filho, MSc.

2. The relations Darwin-Mendel: consequences for evolution teaching

Lecturer: Nelio Bizzo, PhD.