



Word from the President



Dear fellow entomologists,

The XXVII Brazilian Congress of Entomology is almost upon us. It will be held in the beautiful city of Gramado, RS, from September 2 to 6, 2018. The Organizing Committee is preparing an event with many impressive scientific and cultural activities! Make your discounted registrations at www.cbe2018.com.br

This ISEB reports the activities of the Board with the proposal to continue the Summit “Great Challenges in Entomology” at the next Brazilian Congress in Gramado; the nomination of the Chairman of the SEB Advisory Board (CD), Prof. Jocelia Grazia, to the Advisory Board of CNPq; and with the participation in the discussions of the Law relating to Access to Genetic Heritage.

The *Nomenclator Entomologicus* contains important findings about the brown stink bug genus *Euschistus*; tips for reading scientific articles in Worth Read-

ing; in the Entomology in the Press the return of a rare butterfly species after 130 years; and Members is about our recently honored members.

Good reading!

A strong Society is a society that everyone participates! We count on you!

Sincerely,
Eliane D. Quintela

Activities of the Board

Agenda the Grand Challenges in Entomology in South America

During the XXVII Brazilian Congress and the X Latin American Congress of Entomology (XXVII CBE), from September 2 to 6, in Gramado, RS, a Summit will be held to discuss the grand challenges in entomology in South American. “This event will be highly relevant and up-to-date and follows the worldwide trend of bringing science, in this case Entomology, to the community in general,” stated the organizer, Antônio Ricardo Panizzi, International Delegate of the Entomological Society of Brazil (SEB). Speakers to discuss the issue include representatives from entomology societies in the United States, Argentina, Peru, and Uruguay, as well as Brazil. “This mini-event within our Congress and the Latin American Congress is a novelty and is of the highest importance. We urge everyone to partici-

pate,” said SEB President, Eliane D. Quintela.

The main points to be presented and discussed involve the topics: agricultural sustainability; invasive pests in agricultural, forestry, horticulture, and floriculture systems; and public health, including yellow fever, dengue, and chikungunya. After the presentation of the topics, workshop discussions will be held in separate rooms about the topics and the main conclusions will be reported at the end of the event. The complete programming is on the XXVII CBE website. <https://www.cbe2018.com.br/en/>.

To prepare this Summit, the organizers and presenters met in Brasilia on March 8.

Chairman of the SEB Advisory Board nominated for the CNPq Advisory Board

The Professor Dr. Jocelia Grazia (Chairman of the SEB Advisory Board) was nominated in a consultation process to the scientific associations affiliated with the SBPC (*Sociedade Brasileira para o Progresso da Ciência*), in which 77 entities participated to compile a list with three names, which was sent to

the Minister of Science, Technology, Innovations, and Communications to select a representative of the scientific community, in each of the three major areas, for the CNPq Advisory Board (CD-CNPq). The triple list for BIOLOGICAL AND



HEALTH SCIENCES included the following: Regina Pekelmann Markus (Biosciences / USP, São Paulo, SP) (27 votes), Celina Maria Turchi Martelli (Health Sciences / Fiocruz, Pernambuco, PE) (21 votes), and Jocelia Grazia (Biosciences / UFRGS, Porto Alegre, RS) (17 votes).

SEB, SisGen, and the Sectorial Committee of the Academy

SEB has sought to be present and participate in the discussions of the Law on Access to Genetic Heritage, to raise questions that affect its members and propose solutions. In November 2016, SEB took the initiative to organize a meeting of the Scientific Societies during the IV Brazilian Congress on Genetic Resources, which resulted in a letter (already circulated among our members) to CGEN (the Genetic Heritage Management Council) with various suggestions and requests, which were considered during the first meeting of the “The Sectorial Committee of the Academy” (CSA). Dr. Carmen Pires, Secretary General of SEB, also participated in the third Meeting of the CSA in February of this year, where some

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From left to right: Jonas Arnemann (Chairman of the XXVII CBE / X CLAE Scientific Committee), Antônio R. Panizzi (SEB International Delegate), Eliane D. Quintela (SEB President), Marcelo L. da Silva (Embrapa Cenargen - presenter), Carmen Pires (SEB Secretary General), Luciano A. Moreira (FIOCRUZ - presenter), and Daniel R. Sosa-Gomez (Embrapa Soja - presenter).



relevant referrals were discussed and agreed upon. In March 2018, SEB was represented by Dr. Eliana Fontes at a meeting of Scientific Societies during XXXII Brazilian Congress of Zoology, in which the Coordinator of the CSA, Dr. Manuela da Silva (Fiocruz) was present. The question was extensively discussed about the framing or not of the morphological taxonomy in the scope of the law, which concerns the professionals in the area, including the specialists who were at the Congress.

Due to the presence of representatives of the scientific community in the debates, important advances have been achieved. During the last CGEN meeting, relevant decisions to facilitate research and registration occurred. For example, the definition of the lowest taxonomic level of the organism to be reported in the registry, a less restrictive requirement on the collection location of the accessed organism, and a new TTM - Term of Material Transfer for taxonomy, phylogeny, and epidemiology research. The minutes with these resolutions had not yet been released when this note was written, but they may be obtained shortly on the CGEN website.

It is widely known among those who do research with Brazilian biodiversity that, on November 11, 2015, the Law on Access to Genetic Heritage, Law 13,123/2015 came into force. This repealed Provisional Measure No. 2,186-16/2001 and established new rules for access to genetic heritage, access to associated traditional knowledge, and benefit sharing. Law No. 13,123/2015 was regulated by Decree No. 8,772/2016.

An excellent publication entitled “Genetic Heritage, Associated Traditional Knowledge and Benefit Sharing”, an interesting and clear article in Portuguese about this legislation, is available for download at: <http://www.mma.gov.br/publicacoes/patrimonio-genetico>. An article in English is available at <https://www.sciencedirect.com/science/article/pii/S1517838217310997?via%3Dihub>

The Law establishes that anyone accessing the genetic heritage of native Brazilian animals, plants, and microorganisms must register the access with the CGEN - Genetic Heritage Management Council through a digital platform called SISGEN (Genetic Heritage Management System). SISGEN started functioning in November 2017 and all researchers must register their research if it falls under the definition of genetic heritage and access to the genetic heritage laid out in the Law. Sending and shipping samples of genetic heritage abroad must also be registered, and the registration must be prior to the shipment, but it may be sent later. Understanding the definition of these terms is essential for correct compliance with the law.

It is also important to know that the registering access with SISGEN for research no longer needs to be done prior to the start of the research, but rather before the following situations:

- Shipping of samples to third parties;
- Dissemination of final or partial results, through scientific or communication media;
- Application for intellectual property rights.

In the case of the development of any product derived from access to genetic heritage, the registration must be made prior to:

- Notification of the finished product or reproductive material (e.g. seeds and seedlings) development
- Commercialization of intermediate product (unfinished product, e.g. extract)

Many questions have arisen about the framework of the different research in the Access Law. CGEN has created an “Sectorial Committee of the Academy” (CSA) to hear and find solutions to issues that affect the scientific community. Information on the composition and operation of the CSA, as well as the agenda and minutes of the meetings, etc. can be accessed at: <http://www.mma.gov.br/patrimonio-genetico/conselho-de-gestao-do-patrimonio-genetico/camaras-tematicas/c%3%A2mara-setorial-da-academia>.

Soon this page will also include the “Booklet about the legislation on access to genetic heritage and associated traditional knowledge and about SisGen for researchers” with the main aspects of the law related to research and with the most frequently asked questions and concerns of the scientific community. This booklet will be a dynamic document where everyone can contribute with suggestions for questions and ways to improve the content. Therefore, we suggest that everyone consult the CGEN website, on the “Câmara Setorial” icon, to resolve their questions and help improve the process.

Nomenclator entomologicus

The brown stink bugs genus *Euschistus* (Hemiptera: Pentatomidae) includes species from the New World. *Euschistus* had been composed of four subgenera. However, after a phylogenetic analysis using morphological and molecular data by Bianchi et al. (2017), the subgenus *Mitripus* Rolston was recognized as two lineages distinct from *Euschistus*. *Mitripus* received genus status, including the species *M. acutus* (Dallas), *M. convergens* (Herrich-Schäffer),

and *M. legionarius* (Breddin). Another proposal is for *Adustonotus* Bianchi to include the species *A. anticus* (Stål), *A. grandis* (Rolston), *A. hansii* (Grazia), *A. irroratus* (Bunde, Mendonça & Grazia), *A. latus* (Dallas), *A. paranticus* (Grazia), *A. saragamai* (Bianchi, Cioato & Grazia), and *A. tauricornis* (Stål). Currently *Euschistus* contains 67 species (Bianchi et al., 2017). References: (1) Bianchi, F.M. Deprá, M. Ferrari, A. Grazia, J. Valente, V.L.S. & Campos A.

2017. Total evidence phylogenetic analysis and reclassification of *Euschistus* Dallas within Carpororini (Hemiptera: Pentatomidae: Pentatominae) Systematic Entomology. 42, 399-409. (2) Bianchi, F.M. Barão, K. Grazia, J.2017. Review of the *sulcatus* group of *Euschistus* (Pentatomidae: Pentatominae: Carpororini) with description of the internal female genitalia and a new species. Zootaxa. 4362(3), 348-358. Filipe Michels Bianchi and Jocélia Grazia

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Worth
reading



Entomology in the Press

Rare butterfly species found in Scotland after 130 years

For the first time in more than a century, the microscopic eggs of the White-letter hairstreak butterfly were found in Scotland - which means that, unlike what was thought, the species may be coming home. It was last seen in August 2017, but before that, this insect last appeared in the region in 1884.

Most (72%) of the species was evicted from the country because of Dutch Elm Disease, caused by fungi that affects the only trees chosen by these butterflies to perpetuate the species, the elm. Two outbreaks of Dutch Elm Disease that hit the UK have killed 60 million of these trees.

Iain Cowe, a butterfly observer, told *The Guardian* about the discovery. "Last year was an impossible find, but this year's egg discovery is beyond anything we thought possible," he stated.

As the species only lays eggs once a year, experts believe it may have been breeding again in Scotland since 2016. The finding was made by volunteers from the NGO Butterfly Conservation.

Source: <https://super.abril.com.br/ciencia/especie-rara-de-borboleta-e-encontrada-na-escocia-depois-de-130-anos/>



Members

Homage to researcher Flávia Rabelo Barbosa

The Legislative Assembly of the State of Goiás (Alego), with the support of CREA-GO and the Association of Agricultural Engineers of Goiás (AEAGO), honored 38 professional leaders, who stood out in various agronomic areas.

The honoree in the Agricultural Research category was the entomologist Dr. Flávia Rabelo Barbosa, researcher at Embrapa Rice and Bean and Treasurer of SEB. She was recognized for her pioneering work in Integrated Pest Management (IPM) of soybeans in Goiás; for developing IPM in the mango trees, under irrigated conditions in the Northeast; and



being the national coordinator of the Integrated Production of the kidney bean (*Phaseolus vulgaris*). She also helped transfer IPM to the main crops of the Cerrado, through technicians, students, and producers.

In 2001 and 2010, Flávia Barbosa received the award for excellence from Embrapa for Research and Development and Technical Quality, as well as awards given at the XXI International Congress of Entomology and the XIX Brazilian Congress of Entomology for developing research to control the whitefly in bean and integrated management for guava-psyllid.

We congratulate our SEB colleague.

Source: <https://www.embrapa.br/en/busca-de-noticias/-noticia/29515803/sessao-solene-na-alego-homenageia-engenheiros-agronomos>

Homage to Professor José Djair Vendramim

Professor José Djair Vendramim received an award from the City Council of Piracicaba for more than four decades dedicated to education and academic research.

In addition to being a full professor of the Department of Entomology and Acarology, of which he was department head for four years, Djair has been a CNPq Research Productivity Fellow since 1998. His extensive curriculum highlights the publication of more than 170 scientific articles and academic advisor for more than 50 postgraduate dissertations

and theses.

Professor Djair was also honored on March 2, 2018, by the Esalq Board of Directors due to his great contributions to the University.

An agronomist who graduated in 1974, Professor José Djair Vendramim, from the Department of Entomology and Acarology (LEA), decided to retire from the Luiz de Queiroz College of Agriculture (USP/Esalq) after years of dedication to this institution. Professor Djair explained how he planned to spend the next few years of his life. "I'm going to stay as a senior professor for at least two years. I have a master's student, a CNPq project, where I am a productivity researcher. Thus, in a way, I will still be involved with the academic routines," he stated. We congratulate our SEB colleague.



Sources: <http://www.camarapiracicaba.sp.gov.br/trevisan-entrega-voto-de-congratulacoes-a-professor-da-esalq-usp-39136>
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Entomological Society of Brazil

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