



# Word from the President



## Dear fellow entomologists,

With immense joy, we celebrate 45 years of the SEB newsletter. On behalf of the Entomological Society of Brazil, I would like to thank everyone who has served on the editorial board of the SEB newsletter and everyone who indirectly participated in this incredible work.

This edition of the newsletter contains an exciting story about the history of the SEB newsletter, written by Roberto A. Zuchi, editor of the Newsletter between 1997 and 2008. The new sec-

tion called "Editorial" will bring a message from the editors of this Newsletter. Another new section "Royal Jelly" will publish poems, thoughts, or other short productions by known or anonymous authors about insects. The Board Activities column reports SEB's participation in podcasts and the workshop to prepare the document for the "Global Taxonomy Initiative". A great achievement by the editor of EC, Daniell Fernandes, who coordinated the activities to add DOI to the articles published in the Annals of the Entomological Society of Brazil, which are already available on our website. We congratulate the admirable performance of Neotropical Entomology and Entomological Communications even during the pandemic. Con-

gratulations to our current treasurer and president of the XXVIII CBE, Flávia Barbosa, for the honor she received on Women's Day granted by the Federal Council of Engineering and Agronomy (Confea). This newsletter also includes the "Queen of Insects" in Entomology in the Press, the Nomenclator Entomologicus, Events in Entomology, Worth reading, the scientific dissemination project "Insect for what?", EntomoArt, Comic strip, and photographs.

*Viva* for the 45 years of SEB newsletter! Take a look at and share each article in this issue!

Sincerely,

**Eliane Quintela**

## Editorial

This Newsletter of the Entomological Society of Brazil commemorates 45 years of uninterrupted publication. Its first edition was published in April 1976. Over these years, the Newsletter's aesthetics, periodicity, and scope have changed; however, it has continued to fulfill its role as an important means of communication about Entomology in Brazil. The publication, which had restricted circulation among SEB members and dealt primarily with matters involving the Society and its members, now has a general and unrestricted reach through bilingual digital editions freely available on the Internet. It

also started to publish texts related both to the activities of SEB and various aspects of the different branches of Entomology. Without a doubt, the SEB Newsletter is the most long-lasting and continuous means of dissemination of entomological news in the country. At 45 years old, this Newsletter reaches its maturity at a time when science is discredited by society and governments, in a context where responsible scientific dissemination is crucial in meeting current demands. Thus, the SEB Newsletter, through its editors and the Board of the Entomological Society of Brazil, reinforces its commitment

to discourse and dissemination, which has been carried out throughout four and a half decades of hard work. A strong Newsletter represents one of several relevant tools that contribute to Brazilian entomological science. As the post-modernist Cuiabian poet Manoel de Barros, in his "backyard bigger than the world" cherished "more insects than planes", the SEB Newsletter will continue to strive to bring entomologists together and disseminate content that reveals the same fascinating mysteries that conquered that writer. Bring on the next 45 years!

**The editors.**

## Activities of the Board

### The Bug Bites Podcast and SEB Jovem discuss the Women in Entomology project and much more.

The Bug Bites Podcast released Episode 119 – Women's Day Special – at the beginning of March. In this episode, the coordinator of SEB Jovem, Aline Guidolin, spoke with Caio from the Bug Bites Podcast about the importance and performance of the SEB Jovem group and the SEB Project "Women in Entomology". SEB Jovem turned 2 years old in early 2021 and in this episode the group's objectives were presented and how the pandemic determined the direction of activities in 2020. With the pandemic, SEB Jovem focused on spreading and strengthening social media as-

sociated with SEB, such as Instagram, Facebook, and Twitter. All this as part of the great project to popularize entomology for laypeople. They also discussed the future actions of SEB Jovem, which in 2021 expects to act more strongly to promote inclusion and diversity. Within this context, the Women in Entomology Project is a large survey on the training and impact of women working in entomology in Brazil. This research is being conducted by a team of researchers based on several databases such as Sucupira, Plataforma Lattes, iAraucária, among others. The main objective is to identify how women are being included in Brazilian entomology and based on the data offer proposals for future public policies. To hear the full interview in Portuguese, access the Bug Bites podcast or the link <https://soundcloud.com/bugbites/bb-119-seb-jovem-e-mulheres-na-entomologia-especial-dia-da-mulher-2021>.

### SEB participated in the Workshop to propose a document for the Global Taxonomy Initiative

On April 12, 14, and 16, 2021, representatives from 14 Scientific Societies in Brazil gathered in an online workshop to construct the document "Proposal for medium and long-term goals, action targets for 2030, and indicators for the Global Taxonomy Initiative within the Post-2020 Global Biodiversity Framework". The Workshop was organized by the Forum of Zoology Societies (FORZOO) and included the participation of the Botanical Society of Brazil and the Brazilian Society of Microbiology.

SEB was represented by Carmen S. Pires, who was part of the Workshop's organizing committee, and members Jocélia Grazia and Élisson Fabrício Bezerra Lima. The members discussed and listed goals and actions that contemplated the objectives specified below:





A. Educate, train and secure human resources qualified in biological taxonomy.

B. Modernize and adapt the infrastructure and organization for maintenance, management, and cooperation between Brazilian Biological Collections.

C. Increase, organize, qualify, and disseminate taxonomic, systematic, and biogeographic information.

D. Promote the harmony between society and taxonomists to disseminate information about the importance of taxonomic studies.

E. Adapt and disseminate Brazilian legislation regarding biological collections and studies with systematics, taxonomy, and biogeography (Law 13,123, Access to Biodiversity, and Nagoya Protocol).

The document is scheduled to be finalized at the end of May when each society will send proposals through their respective members. In addition, a period of general public consultation with academia will occur before formalizing the document.

Jocelia Grazia and Élisson Fabrício B. Lima

## Neotropical Entomology

**Neotropical Entomology is highly rated by the authors**

Despite the challenges that the pandemic has imposed on our work routine and personal relationships, we have good news. The series of videoconferences to celebrate 50 years of Neotropical Entomology is in preparation, with the selection of current topics of great interest to entomologists in the Neotropical region. In them, we will also pay tribute to the journal's editors throughout these 50 years who have contributed to its history of success and constant growth. We will soon release the first conference, so just wait!

We recently received more good news from the editor Springer, which annually evaluates the journal's performance. In the 2020 author satisfaction survey, 87% of respondents rated their editorial experience with Neotropical Entomology as excellent or good. For us, this is a very good result, as the journals rated among the top 10 (among the more than 2,000 magazines produced by Springer) showed satisfaction percentages greater than 88%, which means that we are close to achieving this level. Once again, we emphasize that this result is a collective achievement that includes all members of the editorial board, authors, and reviewers who, with their collaborative work, contribute to our journal to continually incre-

ase its quality indexes.

We would like to take this opportunity to welcome the new editors who have recently come to spruce up the Editorial Board: Juliano Marimato (University of Albedeen, UK), Pedro Togni (University of Brasília), and Sengottaiyan Senthil-Nathan (Manonmariam Sundaranar University, India).

At the same time, we say goodbye to those who are leaving the Editorial Board after contributing an extensive period to the journal: Diego Segura (IGEAF\_INTA), Edison Sujii (Embrapa Genetic Resources and Biotechnology), Guilherme Rossi (FCAV/Unesp-Jaboticabal), Herbert Soares (Federal Rural University of Pernambuco), João Moisés Zotti (Federal University of Pelotas), and Jorge Ibarra (CIVESTAV, Mexico). We give our sincere gratitude to them for their invaluable work dedicated to NE and the Entomological Society of Brazil.

**Eliana Fontes and Raul Laumann**

Editors-in-Chief of Neotropical Entomology



**SEB Annals is now 100% available online**

Dear members and readers,

In 2020, SEB made available on its website all volumes of the Annals of the Entomological Society of Brazil (Anais da SEB), which is currently Neotropical Entomology. However, the articles published on the site were not indexed and could not be directly accessed. Thus, I proposed to the SEB Board the creation of a website dedicated to the periodical, which is being developed in the OJS system, the same used by Entomological Communications. This proposal was promptly approved by the current board, so I initiated contacts with AntSoft Systems On Demand to expand our editorial partnership. Therefore, as of May 2021, the Anais da SEB has its own home (<https://anais.seb.org.br/>). There are several advantages of having a site dedicated only to the Annals of SEB, so I will only list the main ones: 1) The articles will be made available in PDF format, with some information inserted in HTML format (title, authors, year, volume, number, and pagination). By possessing these metadata, they will be indexable, in that within the system, searches can be performed for articles using the metadata. 2) We will ask CrossRef (through ABEC - Brazilian Association of Scientific Editors) for the retroactive DOI of all articles published since 1972. Thus, the metadata entered into the system will be indexable in the databases that use the information from CrossRef. 3) With the active DOI, all articles published by the Anais of SEB will be registered in Google Scholar, thus generating the possibility that this database will count these citations. 4) It will be possible to check access and metrics of access, and downloads of all articles indexed and registered on the site can be verified. In the future, their participation in metrics from social media will be counted, using tools such as Altmetrics and PlumX, which use the DOI to perform searches on social media (Twitter, Facebook, Blogs, Wikipedia, Reddit, etc.). Thus, we rescued the trajectory of the Annals of SEB, adding 1178

articles into the digital world, to provide new generations easy and quick access to articles published in our journal since 1972. Finally, I would like to thank the current board of SEB, especially Eliane Quintela, for agreeing to this proposal and encouraged me to take this project forward. I also must thank Eliana Fontes and Raul Laumann (current editors-in-chief of Neotropical Entomology) and Antônio Ricardo Panizzi (former editor-in-chief of the Anais da SEB), for providing me with important information on the history of our journal, summarized in the Editorial commemorating 50 years of Neotropical Entomology/Anais da SEB. I hope you visit our site and continue using our articles as a source of relevant information, as it is not every day that we complete 50 years of existence, and from now on we will be 100% online.

**Daniell Rodrigo Rodrigues Fernandes**



**ENTOMOLOGICAL  
Communications**

**EC accumulates citations and plans new actions**

Dear readers,

We started 2021 with the same determination and enthusiasm as in 2020. The good news is that we have already reached the average of one article published per week in 2021. According to the Google Scholar database, this year alone we received 13 citations (which represents more than half of the citations received in 2020). This demonstrates the quality of the articles published and the visibility that the journal is achieving in the scientific community. Another positive point in publishing with us is the agility in the evaluation process, an average of only 89 days from submission to final acceptance. We added more plug-ins on our website (OJS) to make the process more dynamic. In addition, readers can see which articles were most accessed in the past week. As announced in the last SEB Newsletter, we will work to achieve a partnership with Publons (reviewers will be able to add their editorial contributions to their respective ORCIDiDs) in addition to the use of alternative metrics such as Altmetrics, PlumX, and Dimensions (which we are testing for free) that measure how much our articles are being discussed and commented about on social networks and the internet (Twitter, Facebook, Blogs, Wikipedia, Reddit, Mendeley, etc.) as well as citations on Dimensions Citation Data. We encourage authors to publish their work on social media using the DOI of the articles, so these platforms will track the reach of their work. We hope that Entomological Communications will be your choice when it comes to disclosing your data briefly, quickly, with free access, and with quality. Visit our website and follow our social networks on Instagram, Facebook, and Twitter (you will find a link to social networks in the "Follow" tab at the top of our page - <https://www.entomologicalcommunications.org/>).

**Daniell Rodrigo Rodrigues Fernandes  
& Rafael Major Pitta**

Editor-in-Chief Entomological Communications



## Entomology in Focus

### SEB Newsletter – 45 Years – Memories of Roberto A. Zucchi

The Newsletter of the Entomological Society of Brazil (ISEB – *Informativo da Sociedade Entomológica do Brasil*) was created in 1976 to promote communication between the Board of the Entomological Society of Brazil (SEB) and its members and vice versa. Since its creation, it has maintained this purpose and is probably the only publication of a South American Entomology Society with this objective, which has been published uninterruptedly for 45 years. In fact, an examination of the various ISEBs, over the years, reveals much more than the communication of SEB and its associates. The ISEB layouts the history of Entomology in Brazil, due to the facts and information with hundreds of pages of the various issues published. In 2007, all SEB Newsletters published since 1976 were digitized and made available online, as announced in the December/2007 ISEB. Since then, most ISEB issues have been available on the SEB website <<https://seb.org.br/iseb>>. All issues must be available chronologically. Digitized issues are a quick and pleasant way to become acquainted with or remember historical and interesting facts of our Society, in addition to confirming the growth and recognition of the importance of Brazilian Entomology. The annual periodicity of the ISEB has varied from time to time, but the purpose of well informing members has remained unchanged. This year, as the SEB Newsletter celebrates its 45th anniversary, is the ideal occasion to remember some important moments of SEB. Thus, I will address some subjects published in the ISEB, which I consider important, to highlight the value of the ISEB in documenting historical moments of our Society. As it is impossible to address all the facts recounted in the ISEB, I have selected some events that I consider important in the development and consolidation of the SEB. Naturally, I did this by referring to online ISEBs and printed ISEB from my collection. I hope that my approach motivates members to consult the Newsletter: the older ones, to recall some memorable moments, and the younger ones, to learn about the entomological events that have taken place in the last 45 years.

The first important fact related to the Newsletter was its creation in 1976, under the responsibility of Fernando M. Lara, who had the support of the Board of UNESP, the campus at Jaboticabal, SP, to print all the initial issues of the ISEB (April/1976 to August/1984). The difficulties in producing these pioneering ISEBs were enormous, as there were relatively few entomologists and communication was mainly over the telephone or through the mail. Nevertheless, for nine years, the ISEB published various news of interest to entomologists (events, pests, ordinances, books, courses, theses, etc.). Finally, several subjects were addressed and news from members was also related, establishing the essential link between the Board and its members. This beginning of the creation of the Newsletter was commented on by F.M. Lara in the ISEB of April/2000 and March/2013. As Entomology consolidated in Brazil, news became more frequent and numerous, facilitating, in part, the work of those responsible for the Newsletter. This differentiation in news content is evident when the ISEBs from past de-

cade are consulted. The configuration itself has changed over the years and some sections have become permanent (Presentation, Editorial, Message from the President, News from the Editors, Brazilian Entomology Congresses and Biological Control Symposiums – Siconbiol, Nomenclator Entomologicus, Your picture, Worth reading, among others). Until December/2014, the ISEB was printed and also made available online. Since March/2015, the ISEB has been available exclusively online and, as of September/2017, the Newsletter also has an English version. Several interesting articles have been published in the SEB Newsletter over these 45 years, both because of the relevance of the events discussed and the need for younger members to know the entomological facts that occurred in Brazil. However, to not elaborate on this approach, I will mention just a few moments directly related to the history of SEB and I hope that members feel motivated to consult the Newsletter's online issues to check these and other subjects. The history of SEB was told in two issues of the ISEB (April/1977 and April/2007) and SEB's adaptation to the Civil Code, a relevant procedure for the legal incorporation of SEB, can be found in the three issues of April/2004. The history of our scientific journal is also documented in several ISEB issues, reporting the changes in format, colors, the name change of the *Anais da Sociedade Entomológica do Brasil* to *Neotropical Entomology*, and the establishment of a partnership with Springer for the publication of *Neotropical Entomology*. The ISEB in November/2020 announces a new SEB online publication – Entomological Communications. Probably, many members do not know, but SEB has an official flag, which was announced in the ISEB in December/2004. The official characteristics of the SEB logo, an important symbol of the Society, were described in the ISEBs of November/1995 and April/2000. In these ISEBs, heraldic characteristics of these two SEB symbols were presented, so that they are understood and can be used correctly. These symbols must be reproduced correctly to be used in all publications and at events that the SEB participates.

I close this commemorative narrative of 45 years of the SEB Newsletter, with a tribute to all its Editors, who over these years have contributed to the mutual relationship of the Board and members through the dissemination of entomological events. Over these 45 years, the ISEB had 16 Editors, which I list below. From its creation in April/1976 to August/1984, the ISEB was published under the responsibility of Fernando M. Lara (UNESP from Jaboticabal, SP). The first issue of 1985 was produced by Zuleide Ramiro (Instituto Biológico, SP). The ISEB, from 1985 to 1991 was under the responsibility of Jocélia Grazia (UFRS, Porto Alegre, RS). In the only issue of ISEB, published in 1991, the composition of the SEB Board of Directors includes, for the first time, the position Editor of the ISEB, which was occupied, until 1995, by Ivan Cruz (Embrapa Milho and Sorgo, Sete Lagoas, MG). In 1996, three issues of ISEB were published, by the Editor Antonio Batista Filho (Instituto Biológico, SP). Then, until 2008, the production of the ISEB was under the responsibility of Editor Roberto A. Zucchi (ESALQ, Piracicaba, SP). In the following years, the publication of ISEB was under the charge of the Editors: Gilberto S. Albuquerque (UENF, Campos de Goytacazes, RJ), from 2009 to October/2012; Everton R.L. da Silva (UTFPR, Dois Vizinhos, PR) and Neliton M. da Silva (UFAM, Manaus, AM), from December/2012 to April/2016;

Décio L. Gazzoni (EMBRAPA Soja) and Alexandre S. Pinto (Centro Universitário Moura Lacerda, Ribeirão Preto, SP), in 2016; Alexandre S. Pinto, from September to December/2017 and July/2018; Renata S. M. Coutinho (SEB), April/2018; and Wanessa Scopel, from October/2018 to December/2020 (UNEMAT, Nova Mutum, MT). From October/2018 to the present day, SEB Newsletter has had three Editors, Élisson F.B. Lima (UFPI, Floriano, PI) and João A. C. Zequi (UEL, Londrina, PR) have been part of the team since then, and Jaqueline M. Pereira (UFG, Goiânia, GO) joined the team in January/2021. Finally, I offer my congratulations to the Presidents of SEB, for their support and encouragement so that our Newsletter has continued to be active. Long live the SEB Newsletter!

#### Roberto A. Zucchi

ISEB Editor (1997 – 2008)

## Royal Jelly

Beginning in this issue we will publish the column “Royal Jelly”, or in Portuguese “Geleia Real” which is an entomological pun with the expression “Geleia Geral” (General Jelly), created by the Concrete poet Décio Pignatari to refer to the mixture of innovative and traditional artistic expressions about Brazil in the 1960s. “Geleia Geral” was also the title chosen by poet Torquato Neto for his popular cultural column in the newspaper “Última Hora” (Rio de Janeiro) and for the musical-manifesto of the Brazilian tropicalist movement, written by the same Torquato and Gilberto Gil. In the SEB Newsletter, we intend to use the column “Royal Jelly” to disseminate poems, thoughts, or other short written productions by known or anonymous authors about insects. The name of the noble bee product that nourishes future queen bees is, therefore, conveniently chosen to baptize the column that will feed ISEB with a bit of literary culture. Contributions from readers are most welcome. The first text of “Royal Jelly” is called “Conselho Amigo”, available below in Portuguese.

#### Conselho Amigo

Cigarra! Levo a ouvir-te o dia inteiro.  
Gosto da tua frívola cantiga,  
Mas vou dar-te um conselho, rapariga:  
Trata de abastecer o teu celeiro.

Trabalha, segue o exemplo da formiga,  
Aí vem o inverno, as chuvas, o nevoeiro,  
E tu, não tendo um pouso hospitaleiro,  
Pedirá... e é bem triste ser mendiga!

E ela, ouvindo os conselhos que eu lhe dava  
(Quem dá conselhos sempre se consome...)  
continuava cantando... continuava...

parece que no canto ela dizia:  
— Se eu deixar de cantar morro de fome...  
que a cantiga é o meu pão de cada dia.

(Olegário Mariano, in “Últimas Cigarras”, 1920)

About the author: Recife poet Olegário Mariano (1889–1958) was a member of the Brazilian Academy of Letters from 1926, where he occupied chair 21. Due to his numerous poems about cicadas, he became known as “The Poet of the Cicadas”. More works by this author will certainly appear in upcoming Newsletters.



## Our Members

The SEB treasurer and president of the XXVIII CBE, Flávia Rabelo Barbosa, was one of the engineers and geoscientists honored by the Federal Council of Engineering and Agronomy (Confea) for Women's Day. Confea selected 27 engineering and geoscience professionals that have driven Brazil's economic recovery and told the story of each one of them. The event included a woman from each Brazilian state from different sectors, professional activities, and varied personal profiles.

The testimonies showed the great diversity of the sector, as well as the competence and determination of these women, whose skills are making a difference and helping the country in strategic areas for social and economic development.

SEB congratulates Dr. Flávia for her magnificent performance throughout her professional career. Recently retired from Embrapa, Flávia continues to act as SEB treasurer and recently accepted another challenge by presiding over the Brazilian Congress of Entomology, to be held in 2022 in her hometown, Fortaleza.

See the full story at: <https://noticias.uol.com.br/conteudo-de-marca/2021/03/03/confea-mulheres-engenheiras-geocientistas-impulsionam-a-retomada-economica.htm>



## Entomology in the Press

### Maria Sibylla Merian – “Queen of insects”

Maria Sibylla was born in 1647 in Frankfurt, Germany. She lived all her life with art and natural history. More than a century before Charles Darwin, she was in South America and forever influenced art with science.

Due to family influence, first, by her father, who was an important book editor and illustrator, Maria Sibylla began to show interest in animals, especially insects. She initially observed the more domesticated ones, such as the silkworm and other butterflies and moths. She was a born investigator. Later her stepfather, a talented still life painter, also encouraged her to draw and paint. The nature observer character combined with the talent developed in painting permitted Sibylla, at the age of thirteen, to paint her first illustration including insects and plants that she captured. At the age of 18, she married a painter and went to live in Nuremberg, where she taught painting classes to daughters of wealthy families, which gave her access to amazing gardens with lots of fauna.

In 1697 she published her first book, which was a set of illustrations containing flowers and insects. In 1679, she published her book focused on insects, with beautiful illustrations from observations of living insects and with details of the different stages of their development, which had not been published in that era and attracted the attention of many naturalists.

In 1685, she joined a Protestant community and had access to a castle with a large biological collection that included butterflies and other insects from Suriname, which at that time was a Dutch colony.

The impact and richness of biological material prompted Sibylla to visit America, where she fulfilled her dream in 1699, after two months crossing the Atlantic to research insects and other animals in Suriname. She funded much of her expedition by selling 255 original paintings.

Upon arriving, she studied not only insects but also vertebrates. Due to probable malaria, she returned in 1701 to Amsterdam with specimens and many illustrations.

In 1705, she published with her own resources the “Metamorphosis insectorum Surinamensium” with rich illustrations and detailed information on the life of host animals and plants. The book was a success, greatly influencing the scientific and artistic world in the 18th century, having been republished several times in different languages. The book was even used by Linnaeus as a basis for describing several species.

Maria Sibylla died in 1717 at the age of 69, leaving the basis for great naturalists and a legacy in science and art, where several scholars consider her the “first ecologist” or “Queen of Insects”.



Photo: Biodiversity Heritage Library

Source: <https://g1.globo.com/sp/campinas-regiao/terra-da-gente/noticia/2021/03/08/no-dia-das-mulheres-conheca-a-rainha-dos-insetos.ghtml>

## Nomenclator entomologicus

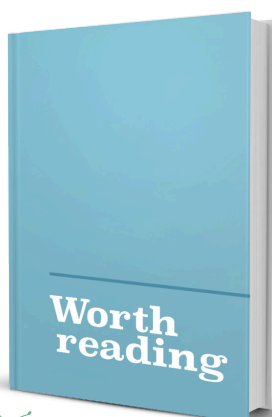
109. Based on molecular and morphological analysis, the genus *Diaphorina* was transferred from Liviidae to Psyllidae. Therefore, the Asian citrus psyllid *Diaphorina citri* Kurwayama, 1908 is classified again in the family

Psyllidae.

**Reference:** Burckhardt D, Ouvrard D, Percy DM (2021) An updated classification of the jumping plant-lice (Hemiptera: Psylloidea) based on molecular and

morphological evidence. **European Journal of Taxonomy**, 736, 137–182.

**Roberto A. Zucchi, ESALQ/USP**



Slobodian V, Soares KDA, Falaschi RL, Prado LR, Camelier P, Guedes TB, Leal LC, Hsiou AS, Del-Rio G, Costa ER, Pereira KRC, D'Angioliella AB, Sousa SA, Diele-Viegas LM (2021) Why we shouldn't blame women for gender disparity in academia: perspectives of women in zoology. **Zoologia**, 38, 1–9.

Else H, Van Noorden R (2021) The battle against paper mills. **Nature**, 591, 516–519.

Velmurugan B, Barbara SD, Natasha NG, William CW, Jeana O, Dashvev B, Dustin AS, Dane CJ, Leela EN, Juergen AR, Dana NM (2021). Susceptibility of Midge and Mosquito Vectors to SARS-CoV-2. **Journal of Medical Entomology**, XX(X), 2021, 1–4.

Ramos RR, Francini RB, Habib MEM, Freitas AVL (2021) Seasonal patterns of host plant use in an assemblage of Heliconiini butterflies (Lepidoptera: Nymphalidae) in a Neotropical forest. **Neotropical Entomology**. <https://doi.org/10.1007/s13744-021-00855-5>.



# Announce Your Page

## Dissemination is necessary

The scientific dissemination project “Inseto pra quê?” (what are insects for?) was born in early 2018, with the aim of sharing the wonders and curiosities of insects throughout Brazil in a light and relaxed way.

People were always very curious and full of questions when I, Paula Riccardi (@paularriccardi), said I would be a scientist and work with insect biodiversity, specifically flies! I've always liked talking about insects, and I love reading about their peculiarities, whether morphological, behavioral or otherwise. The push that was needed for me to have the courage and start doing scientific dissemination was the realization that social



networks are an excellent means of dissemination, easily accessible anywhere. Furthermore, I noticed that these platforms lacked content on entomology (i.e., the study of insects) with an entertainment edge.

The profile “Inseto pra quê?” has in the title a provocation that I've heard a lot over the years and has the power to reach other people who might be curious to know a little more about the world of insects.

The seed of this project, planted in early 2018, was developed and today we are three entomologists. Together with Ivyn Sousa (@ivynsousa) and Barbara Proença (@bioproença), from Pará, we

produce and share scientific content on social media. Our channels are in full swing on Instagram (@insetopraque) and Facebook (/insetopraque) platforms.

Insects are fundamental to our diet, recycle our waste, inspire new technologies, have a multitude of shapes and colors, and all these topics have been addressed at some point in our profile. We intensified and diversified our network activities with the onset of the pandemic to bring more content online during times of social distancing. In addition to the daily posts, we post several surveys, weekly challenges, videos, and interviews on various subjects involving the world of insects.

Our science communication channel is open and completely voluntary. We love receiving content suggestions and answering (or at least trying!) the hairiest questions surrounding these endearing creatures. Are you curious? Let's talk!

## Entomology Events

- Symposium on Insect-Plant Interactions (SIP) – July 25 to 29, 2021, Leiden, Holland
- 56th Annual Congress of the Brazilian Society of Tropical Medicine (MEDTROP) – June 25 to 28, 2021, Belém, PA, Brazil
- XXXVIII Annual Meeting on Ethology / III Meeting on Behavioral Biology of the Southern Cone – November 11 to 13, 2021 – Virtual (<https://eaerbc2021.wordpress.com/>)

wordpress.com/)

- IX Symposium of the European Association of Acarologists – July 12 to 16, 2021, Bari, Italy
- XXVI International Congress of Entomology – July 18 to 23, 2021, Helsinki, Finland
- XXXIV Brazilian Congress of Zoology – March 7 to 10, 2022, Curitiba, PR, Brazil
- XXVIII Brazilian Congress of Entomology – August

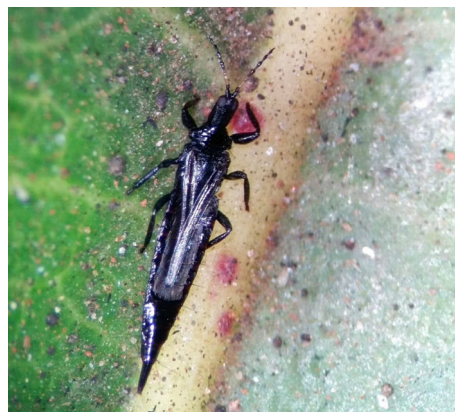
30 to September 2, 2021, Fortaleza, CE, Brazil

- XI Argentinian Congress and XII Latin American Congress of Entomology – October 24 to 28, 2022, La Plata, Argentina
- XVII Biological Control Symposium (Siconbiol)/II Latin-American Symposium on Biological Control – 2023, Juazeiro, BA & Petrolina, PE, Brazil

## Your Picture

Coleoptera: Chrysomelidae

Photographer: Dr. Marcos Fernandes Oliveira - UFG



*Pseudophilothrips* sp.

Photographer: Jéssica Ferreira Silva

Doctorate in Agronomy – UFG

## EntomoArt!

*Attacus atlas* Linnaeus, 1758

Artist: Vitória Reis Beserra

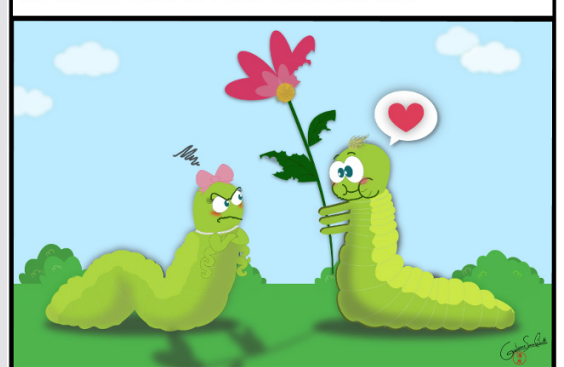
Graduate in Biological Sciences – UFG



## Comic Strip

Cartoonist: Giulianne Simizu Calizotti  
Biology – Collaborator at the Universidade Estadual de Londrina

AN ALMOST IDEAL GIFT FOR VALENTINE'S DAY...





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Entomological Society of Brazil

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