

ICHNIA 2020

Second Circular

Welcome!

Every four years, ichnologists from around the world join in a selected place to discuss the progress of our science, share experiences and ideas, and celebrate One Ichnology! With the first edition in 2004 in Trelew, Argentina, ICHNIA – The International Congress on Ichnology took place in Krakow (Poland), Newfoundland (Canada), and Idanha-a-Nova (Portugal). Brazil had been chosen to house the fifth edition of ICHNIA, and we are proud to be the next hub of Ichnology and to share with you a few of the vast heritage of ancient and modern biogenic structures.

Welcome to Brazil! Welcome to ICHNIA 2020 - The 5th International Congress on Ichnology!

Venue

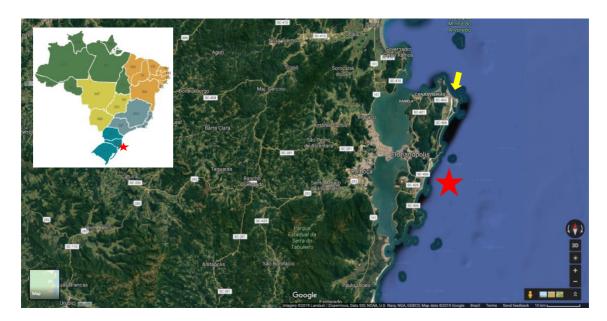
ICHNIA 2020 will be held on October 26-30, 2020, in Florianópolis, Santa Catarina State, southern Brazil, in the *Canto da Ilha Hotel and Convention Center*. The *Canto da Ilha Hotel* is a perfect place for ICHNIA 2020 as it provides single, double, and triple-based accommodation and has a good infrastructure of rooms and auditoriums for the meeting activities. It also counts with a pool area for relaxing and two soccer courts for our traditional ICHNIA Soccer Game. The hotel is surrounded by hills covered by the Mata Atlântica Rain Forest ecosystem and is 200 m from Ponta das Canas Beach. A natural mangrove strip extends in the backshore zone allowing observation of crabs in burrowing activity.

Accommodation

The *Canto da Ilha Hotel* will be the official house of ICHNIA 2020. To experience the spirit of One Ichnology! philosophy, the ICHNIA 2020 Organizing Team expects that all participants stay

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accommodated at the hotel during the whole event. The hotel counts with 48 rooms that offer single, double, or triple-based accommodation in single or double beds, with private bathroom, local cable TV, fridge, and a balcony to the garden. Prices include free parking (if you come by car), free wifi and a complimentary breakfast.



Location map of Florianópolis (red star) and the Canto da Ilha Hotel (yellow arrow).

Credits: Brazil map from multarte.com.br; Florianópolis map from Google Maps.

Room reservations for ICHNIA 2020 will be made exclusively by the ICHNIA 2020, via the registration form. ICHNIA 2020 is a family-friendly event; children and companions are welcome.

Room type	Single	Double	Triple
Rate per night (plus 2.5% tax) in Brazilian Real	R\$ 174,90	R\$ 209,00	R\$ 284,00

Scientific activities

1. Technical sessions and keynote talks

The technical sessions will occur on October 26, 27, 29, and 30 and will include oral and poster sessions, as well as keynote talks. The technical sessions are open for contributions that discuss any topic of interest of Ichnology and will encompass four major themes: (paleo)biology, (paleo)ecology, (paleo)environmental reconstruction and stratigraphy, and new frontiers in Ichnology. The keynote talks will also consider these four major themes and will represent the diversity of thematic groups that compose the ichnological community.

Keynote speakers and themes of the talks:

- Dr. Giuseppe Leonardi, Universidade Federal do Rio de Janeiro (Brazil), "Dinosaurs and mammal tracks, among caimans and piranhas, from the forest to the semi-desert".
- Dr. Karen Chin, University of Colorado Boulder (U.S.A.), "Coprolite research: the rewards and challenges of unlocking information hidden within lithified feces".
- Dr. Silvio Casadío, Universidad Nacional de Río Negro (Argentina), "Cannibalism,
 parasitism, and commensalism in the Eocene marine Antarctic ecosystems: ichnological
 evidences".
- Dr. Charles Savrda, Auburn University (U.S.A.), "Bioerosion of lithic substrates in freshwater aquatic settings: a poorly explored but potentially fertile aspect of continental ichnology".
- Dr. Koji Seike, Geological Survey of Japan, National Institute of Advanced Industrial Science and Technology (Japan), "Neoichnology on marine deposits – beaches, shorefaces, and deep-sea floors".
- Dr. Anthony Martin, Emory University (U.S.A.), "Popular Ichnology: toward a public awareness of our science".

2. Short courses and workshops

Short courses and workshops will occur between October 22-25, 2020. These activities will focus on themes that were claimed by the ichnocommunity, based on the comebacks to the perception survey that preceded this circular. Students are the main target of short course and workshop activities but do not exclude professional participants.

2.1. Short courses

SC_1 - Trace Fossils in Continental Settings

Lecturer: Dr. Ricardo Melchor (Universidad Nacional de La Pampa, Argentina) **Date/Venue:** October 24th, 9 a.m. - 6 p.m., Canto da Ilha Hotel Convention Center **Minimum/maximum of participants:** 5/40

SC_2 - Traces of Microbial-Substrate Interactions

Lecturers: Dr. Noelia Carmona (Universidad Nacional de Río Negro, Argentina) and Dr. Samuel Noll (ICHNOS Research Group, Brazil)

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Date/Venue: October 24th, 9 a.m. - 6 p.m., Canto da Ilha Hotel Convention Center

Minimum/maximum of participants: 5/40

SC_3 - Trace Fossils of Carbonate Shoreline

Lecturer: Dr. H. Allen Curran (Smith College, U.S.A.)

Date/Venue: October 25th, 9 a.m. - 6 p.m., Canto da Ilha Hotel Convention Center

Minimum/maximum of participants: 5/40

SC_4 - Ichnotaxonomy

Lecturers: Dr. Andrew Rindsberg (University of West Alabama, U.S.A.) and Dr. Alfred Uchman (Jagiellonian University, Poland)

Date/Venue: October 25th, 9 a.m. - 6 p.m., Canto da Ilha Hotel Convention Center

Minimum/maximum of participants: 5/40

2.2. Workshops

WS_1 - Taphonomy of Trace Fossils

Workshop leaders: Dra. Laura Piñuela (Museo del Jurásico de Asturias, Spain) and Dr. Zain Balaústegui (Universitat de Barcelona, Spain)

Date/Venue: October 25th, 2020, 9 a.m. - 6 p.m., Hotel Canto da Ilha Convention Center

Minimum/maximum of participants: 5/40

WS_2 - Insect-Plant Interactions

Workshop leader: Dr. Conrad Labandeira (Smithsonian Institution, U.S.A.)

Date/Venue: October 24th-25th, 2020, 9 a.m. - 6 p.m., Hotel Canto da Ilha Convention

Center

Minimum/maximum of participants: 5/40

WS_3 - Trace Fossils in Cores

Workshop leaders: Dr. Luis Buatois (Saskatchewan University, Canada), Dr. Sudipta Dasgupta (Indian Institut of Technology Bombai, India), and Dr. Daniel Sedorko (Universidade Federal de Uberlândia, Brazil). Invited lecturer: Dr. Leonardo Borghi (Universidade Federal do Rio Grande do Sul).

Date/Venue: October 22th-23th, 2020, 9 a.m. - 6 p.m., Universidade Federal do Rio de

Janeiro (Rio de Janeiro State, Brazil)

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Minimum/maximum of participants: 5/40

If you plan to attend WS_3, be aware that your flight to Florianópolis includes a stopover in Rio de Janeiro Airport.

3. Field excursions

FT_1 - Continental Ichnology of the Botucatu Formation (Pre-congress field trip)

The Cretaceous deposits of the Botucatu Formation contain a considerable record of vertebrate footprints, including dinosaurs and early mammals, and also arthropod trackways. Giuseppe Leonardi originally studied part of these occurrences since 1977 and registered it in his "Annotated Atlas of South America Tetrapod Footprints (Devonian to Holocene) with an appendix on Mexico and Central America." In this 3-day tour, the participants will be guided by the sidewalks of Araraquara and São Carlos cities to see beautiful trace fossils preserved in the sandstone slabs used as pavement. Specimens of *Brasilichinum elusivum* and fascinating dinosaur tracks and trackways, as well as *Taenidium* and arthropod trackways and burrows, can be seen in this tour. A visit to local collections to see selected specimens and a tentative visit to a Botucatu sandstone quarry is also planned.

When: October 21-23, 2020

Departure from: Ribeirão Preto Airport (São Paulo State).

Estimated fee: R\$ 1.320,00 (Brazilian Real). The fee includes transportation from/to Ribeirão Preto Airport, hotel accommodation (double-based), a field-trip guide,

refreshments, and meals.

Minimum/maximum of participants: 17/40

Fees do not include air tickets, thus be aware that your flight to Florianópolis includes a stopover in Ribeirão Preto Airport.

FT_2 – The ichnology of subtropical Atlantic beaches (Intra-congress field trip)

Neoichnology is the scope of the intra-congress field trip when we will explore the biogenic structures currently made in some Florianópolis beaches, including backshore dunes, ephemeral lagoons, and subtropical mangrove (= restinga) margins. This field trip is open to all registered participants and is covered by the congress fees.

Please select FT_2 in the registration form if you plan to attend to let us know how many seats we will need for bus transportation.

FT_3 – Invertebrate trace fossils from Southern Brazil (Post-congress field trip)

The Paleozoic deposits of the Paraná Basin are rich in invertebrate trace fossils. They will be the focus of this 4-days tour post-congress field trip, and the participants will be guided to see the Brazilian occurrence of *Cruziana acacensis* used by Dolf Seilacher to calibrate the Silurian ichnostratigraphy. The localities of the Devonian crowded *Rosselia* ichnofabric, and the '*Zoophycos* carnival' will also be visited, besides other areas with a rich Lower Paleozoic Cruziana Ichnofacies assemblage. You will also visit a few siltstone quarries rich in Gondwanan glacial trace fossil and plenty of microbially induced sedimentary structures (MISS). Localities with the post-glacial trace fossil assemblage will also be visited to see the impoverished marginal-marine and shallow marine trace fossil suites that followed a post-glacial marine transgression.

When: October 31-November 3, 2020

Departing from: Canto da Ilha Hotel, Florianópolis, SC

Estimated fee: R\$ 1.760,00 (Brazilian Real). The price includes transportation from the Canto da Ilha Hotel/to Hercilio Luz International Airport, in Florianópolis, hotel accommodation (double-based), a field-trip guide, refreshments, and meals.

Minimum/Maximum of participants: 10/20

FT_4 – Dinousaur trackways from Sousa Basin (Post-congress field trip)

This field trip will visit the Rio do Peixe Valley region in Northeastern Brazil, where several basins can be accessed. Many of these basins contain a prolific continental ichnological record, as is the case of the well-known Sousa Basin, widely explored by Giuseppe Leonardi between the years of 1970 and 1980. Hundreds of dinosaur tracks are known in the region, including the holotypes of *Caririchnium magnificum* Leonardi, 1984, *Sousaichnium pricei* Leonardi, 1979, and *Moraesichnium barberenae* Leonardi, 1979. Also, crocodiles, chelonians, and many invertebrate traces can be observed in the fluviolacustrine geological context of the region. This tour will last four days, starting at Juazeiro do Norte (CE) Airport, and will continue to Sousa by land (PB). Participants will have the chance to know the landscapes of the northeastern Brazilian outback, the 'sertanejo' way of life, and experience the regional food.

When: October 31 – November 3, 2020

Departing from: Hercilio Luz International Airport in Florianópolis to Juazeiro do Norte Airport (air-ticket not included in the field trip costs), and then travel by bus.

Estimated fee: R\$ 1.870,00 (Brazilian Real). The price includes transportation from/to the Juazeiro do Norte Airport, hotel accommodation (double-based) during field trip, a field-trip guide, refreshments, and meals.

Minimum/Maximum of participants: not defined yet

Fees do not include air tickets, thus be aware of including the flight from Florianópolis to Juazeiro do Norte Airport (JDO) (Ceará State) in your flight itinerary. We strongly recommend that participants take a late afternoon flight to Juazeiro do Norte on October 30th and spend the night in a local hotel. The cost of this accommodation is not included in the field trip fee. The field trip leaders are looking for the best options for accommodation in Juazeiro do Norte. This information will be updated on ICHNIA 2020 website as soon as they are available.

Registration

Registration in ICHNIA 2020 will be open on January 15, 2020 and considers three main categories: student (including post-doc), professional, and companion. IIA members will have a 20% discount for two years of membership (2019-2020) and 10% for one year of membership (2020). Members of SEPM, IAS, AGU, The Paleontological Society, AWG (Association of Women in Geosciences), and SBP (The Brazilian Paleontological Society) will have a 10% discount (same values as IIA 1-year membership).

The registration fee includes all ICHNIA 2020 materials, access to the technical sessions and keynote talks, all coffee breaks and lunch meals, access to a co-working area, transportation and meals during the intra-congress field trip, and the ice-break party. The registration fee does not include accommodation, dinner meals, alcoholic drinks during lunch meals, field trips, workshops, and short courses. Companion fees include all coffee breaks and lunch meals, access to a co-working area, transportation and meals during the intra-congress field trip, and the ice-break party. Workshop and short course fees include access to the activity, coffee breaks, and materials provided by leaders (digital format).

Prices are expressed in Brazilian Real (R\$). Brazil does not operate formally with foreign currency, which implies that your payment must be made in Brazilian Real. Click here for Brazilian Real exchange rates.

ICHNIA 2020 registration fees:

Category		Until April 30, 2020	Until June 30, 2020	From July 1, 2020
Student	IIA 2-years membership	R\$ 600,00	R\$ 840,00	R\$ 960,00
	IIA 1-year membership	R\$ 660,00	R\$ 900,00	R\$ 1.080,00
	IIA non-member	R\$ 720,00	R\$ 960,00	R\$ 1.200,00
Professional	IIA 2-years membership	R\$ 1.200,00	R\$ 1.440,00	R\$ 1.600,00
	IIA 1-year membership	R\$ 1.320,00	R\$ 1.560,00	R\$ 1.800,00
	IIA non-member	R\$ 1.440,00	R\$ 1.680,00	R\$ 2.000,00
Companion		R\$ 720,00	R\$ 960,00	R\$ 1.200,00

ICHNIA 2020 workshops fees:

Category		Until April 30, 2020	Until June 30, 2020	From July 1, 2020
Student	IIA 2-years membership	R\$ 80,00	R\$ 100,00	R\$ 120,00
	IIA 1-year membership	R\$ 90,00	R\$ 110,00	R\$ 130,00
	IIA non-member	R\$ 100,00	R\$ 120,00	R\$ 140,00
Professional	IIA 2-years membership	R\$ 100,00	R\$ 120,00	R\$ 140,00
	IIA 1-year membership	R\$ 110,00	R\$ 130,00	R\$ 150,00
	IIA non-member	R\$ 130,00	R\$ 150,00	R\$ 170,00

ICHNIA 2020 short courses fees:

Category		Until April 30, 2020	Until June 30, 2020	From July 1, 2020
Student	IIA 2-years membership	R\$ 40,00	R\$ 60,00	R\$ 80,00
	IIA 1-year membership	R\$ 50,00	R\$ 70,00	R\$ 90,00
	IIA non-member	R\$ 60,00	R\$ 80,00	R\$ 100,00
Professional	IIA 2-years membership	R\$ 60,00	R\$ 80,00	R\$ 100,00
	IIA 1-year membership	R\$ 80,00	R\$ 100,00	R\$ 120,00
	IIA non-member	R\$ 100,00	R\$ 120,00	R\$ 150,00

For registration and payment, please fill the <u>registration form</u>. Brazilians and Brazil's residents that want pay through bank invoice ("boleto") use this <u>link</u> for registration. A copy of membership certification (e.g., member status, payment receipt) is required to validate the discounts and should be sent to <u>treasury@ichnia2020.com</u>.

For further assistance regarding payment of ICHNIA 2020, please contact our Treasury team at treasury@ichnia2020.com. For any other issue, contact secretary@ichnia2020.com.

Abstract Submission

The Scientific Committee is pleased to invite authors to submit their abstracts of original contributions to the field of Ichnology and related areas for oral and poster presentations to be delivered at ICHNIA 2020.

Guidelines for the Abstract Structure:

Abstracts must be written in Times New Roman 12 pt and may include figures (maximum 2), tables (maximum 1), and references, considering up to three pages in extension. The text (including figures and tables) should be justified.

- 1. **Title of presentation:** Please choose a brief, non-descriptive title that clearly indicates the content of the contribution.
- 2. **Authors:** Please include name and surname only; middle names should be indicated by the initials only.
- 3. **Affiliation:** Please include only the institution name and e-mail address. Superscript numbers should indicate different affiliations.
- 4. **Text:** The text must contain a short introduction highlighting the scientific problem, the objectives of the contribution, and the study novelty. Then, describe how the study was conducted, including a short geological setting. After that, describe the results with discussions, presenting the main conclusions (or final remarks). The citations must be numbered with the format [¹] by order of appearance and listed at the end of the text. Abbreviations may be used in the text if they are defined when first used.
- 5. **Figures and tables:** Figures should be presented in colors and might have enough print quality (minimum 300 dpi). It must be inserted in the text, as well as tables. The tables should be formatted as clean as possible. The abstracts will be available on the ICHNIA 2020 website, and tables can lose format when inserted in the webpage.
- 6. Reference list: Please, follow the form below:

REFERENCES

- [1] Silva, J.; Smith, J. 2018. Title of the paper, Journal, v.1. p. 222-233.
- [2] Rubber, J.; Mengue, J.S.; Silva, M.P. 2017. Title of the paper, Journal, v.1. p. 222-233.
- [3] Soulier, J. 2019. Title of the paper, Journal, v.1. p. 222-233.

For ICHNIA 2020 Abstract Template, click here.

Abstract Submission Deadlines

Opening abstract submission	January 15, 2020	
Deadline for student abstract submission (for travel grants*)	May 31, 2020	
Deadline for all abstract submission		June 30, 2020
Notification regarding abstract acceptation	students applying for travel grants	June 30, 2020
	general submission	August 15, 2020
No-show notification		October 10, 2020

^{*} Information about the availability of travel grants will be given as soon as the sponsoring institutions confirm them. Student membership may be required for the sponsoring scientific societies.

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How to Submit your Abstract:

After finishing your abstract, save it in a Word file tagged with the authors' name, as indicated below. If you are submitting more than one contribution, include numbers at the end of the file tag to differentiate the files. Include in the tag the wished type of presentation (oral or poster).

Examples:

- Smith_oral.docx in de case of a unique author
- Smith&Jones_poster.docx in the case of two authors
- Smith_et al_oral_1.docx in the case of three or more authors

In search to promote the **One Ichnology!** philosophy, ICHNIA prefers not to offer parallel sessions. Thus, the number of oral presentations is limited to ~80, but poster presentations are unlimited. Authors are free to submit as many abstracts for oral presentation as they desire, but there is no guarantee that they will be accepted in this format. The final decision about oral or poster presentation is taken by the Scientific Committee, based on the following criteria: overall scientific impact, the novelty of the contribution, and data and conclusions robustness. The Scientific Committee may use additional criteria. Be aware of this when preparing your contributions!

Abstract submission must be made through abstracts@ichnia2020.com. The authors will be notified of file reception in 48-72 hours after submission. If you do not receive a notification, please contact secretary@ichnia2020.com.

ICHNIA 2020 Special Publications

The Latin American Journal of Sedimentology and Basin Analysis (LAJSBA) will dedicate a Special Issue to ICHNIA 2020, edited by Dr. Sebastian Richiano (CONICET, Argentina). LAJSBA is an international journal published by the Argentinean Association of Sedimentology with more than 25 years of history publishing papers related to the broad spectrum of sedimentological topics. LAJSBA it is a full open-access journal, and is indexed, among others, by Scopus and Scimago.

For this Special Issue we will receive papers proposals up to 1_{st} March of 2020, and the deadline for submission is 1_{st} July 2020. The purpose of these deadlines is that most of the papers are already published online for the beginning of the ICHNIA 2020. Contributions related to the role of ichnology to decipher environmental aspects of sedimentary successions all around the world are welcome!

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Papers proposal should be mailed to richiano@cenpat-conicet.gob.ar with a potential title and a list of authors. On March 2020 we will contact the corresponding authors with the instructions for work preparation and more information.

Other special publication proposals including contributions to ICHNIA 2020 are being evaluated and will informed when approved.

Social events

As science is not everything in life, a little fun also does well. Thinking on this, the Organizing Committee is planning daily social events for your delighting, such as the ice-break reception (Sunday, Oct 25 evening), daily happy hours at the pool (after technical sessions), the ICHNIA Soccer Game, followed by a Brazilian night (Wednesday, Oct 28 late afternoon-evening), and the conference dinner (Thursday, Oct 29 evening).

In ICHNIA 2020 Soccer Game, **Gondwana** Team will play against **Laurasia** Team. Chose a team and start practice! ICHNIA Soccer Game is ageless and accepts male and female players without any distinction!

Touristic assistance will also be offered during the meeting for those interested in exploring Florianópolis and its beautiful beaches or extending the stay to visit other places in Brazil.

Conveniences

Florianópolis is a big island, the distance between other hotels and the congress headquarters may be considerable, and the traffic on the island is heavy during rush hours. Also, the frequency of public transportation to the Ponta das Canas Beach is low, and most of the taxi drivers do not speak English (the same is true for restaurants and services, unfortunately!). Stay in another hotel might imply arriving late in the congress activities or be at risk for not be able to communicate in your way to the congress. Thus, for safety and logistic reasons, it is strongly recommended that all participants stay in Canto da Ilha Hotel.

Meals and conveniences

Lunch will be provided by ICHNIA 2020 at the hotel. For dinner, the restaurant at the hotel will offer a salad bar and a choice of hot menu for those that prefer to do not leave the hotel. There are some choices of bars and restaurants in a ray of 2 km from the hotel for those that prefer to go outside for dinner. Suggestions about the gastronomy and attractions on the island will be provided daily by the Organizing Team.

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A few convenience stores, as well as pharmacy, mini-market, and gas station, can also be reached in the surroundings of the hotel.

Arriving in Florianópolis

There are three ways to arrive in Florianópolis: by car, by bus, or by plane. Those that will arrive by car must be aware that all traffic information is provided in Portuguese. If you are not able to understand it, bus or plane should be the best choices. You must be aware also to the speed limits, as the main road (BR-101 Road) that arrives in Florianópolis is full of speed controllers and the fines are expensive! There is only one bus terminal and one airport in Florianópolis, so all buses and flights arrive in the same respective place. For now, ICHNIA 2020 will provide transfers airport/hotel/airport but will have people in the Hercílio Luz Airport (Florianópolis) to assist the participants with transfer options. If this situation change you will be informed before your arrival.

Brazilian currency

Brazilian Real (BRL or R\$) is the official currency in Brazil. Foreign currencies are not accepted in almost all places, so you need to have cash in Brazilian Reals. US Dollars and Euros (and traveler checks) can be exchanged in almost all exchange money shops, but they are far from the hotel. Thus, the best option is to change some amount of money at the airport when arriving and use an international credit or debit card.

Visit visa (VIVIS) and vaccination requirements

Please, check carefully if you are eligible for visiting Brazil without a visa, and if you need a particular type of visa to come for a congress **before** planning your trip. Detailed information, can be obtained at https://en.wikipedia.org/wiki/Visa policy of Brazil#Visa policy map. The Secretary will be able to send an invitation letter by request, if necessary – ask at secretary@ichnia2020.com.

Yellow Fever and Measles have re-appeared in some areas in Brazil. Vaccination is not mandatory, but strongly recommended. Be aware that you need to be immunized at least 10 days before your trip for Yellow Fever and maybe two months for Measles. Also, there are some tropical diseases that are transmitted by mosquitoes (Dengue, Zika, and Chikungunya fevers). Be aware to use insect repellent during the day (*Aedes aegipty* bites mostly during the morning or the evening).

Health insurance, medication, dietary restrictions

The Brazilian public health service will provide any assistance that you need without charge, but you will have to wait many hours to be attended. Thus, it is strongly recommended that you

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travel with health insurance. Bring all the medication of permanent use and also those specific medicines that you must have for an emergency. Do not forget to bring the recipes, preferentially with the generic name of the active substance, in the case that you need to buy an extra supply. Dietary restrictions, as well as chronic diseases and allergies, must be informed in the subscription form. ICHNIA 2020 will not be responsible for any situation caused by the lack of these particular data.

Ready for ICHNIA 2020? We hope to see you in Brazil!