



PROGRAM OF THE 2025 INTERNATIONAL FIREFLY SYMPOSIUM

(Mexico City time; hybrid sessions)



JULY 27TH AND 28TH, 2025. PRE-SYMPOSIUM WORKSHOP

SCHEDULE	SESSION AND VENUE
9:00-18:00	Introduction to Firefly Diversity: Taxonomy & Ecology <i>Professor:</i> Luiz Felipe Lima da Silveira . Western Carolina University <i>Assistants:</i> Ormailly Madruga Rios . PhD student in Biological Sciences, National Autonomous University of Mexico; Cisteil X. Pérez Hernández . Michoacana University of San Nicolás de Hidalgo and Fireflyer International Network representative for Mexico and Central America. <i>Program:</i> https://forms.gle/bTS6sv1aFGkpzFU6 Faculty of Agrobiology, San Felipe Ixtacuixtla, Tlax. Km 10.5 Tlaxcala-San Martín https://maps.app.goo.gl/WvS8WgtAnoMQLwn18
9:00	2025 IFS Registration (only for participants of this workshop) Faculty of Agrobiology, San Felipe Ixtacuixtla, Tlax. Km 10.5 Tlaxcala-San Martín https://maps.app.goo.gl/WvS8WgtAnoMQLwn18

JULY 28TH, 2025. PRE-SYMPOSIUM WORKSHOP

SCHEDULE	SESSION AND VENUE
8:30-19:30	Sustainable Firefly Tourism, Towards the Conservation of an Activity Beyond Tourism <i>Organizers:</i> Paola Velasco Santos, Eligio García Serrano, Cisteil Pérez, Erick Daniel Trujillo Castillo <i>Instructors:</i> Leonor Alejandra González (MÉXICO), Stephanie Vaz (BRAZIL), Paulina Medina (MÉXICO), Anchana Tancharoen (TAILANDIA), Eligio García Serrano y Mil cumbres (MÉXICO), Ishwari G. Gutiérrez (MÉXICO), Gabriela Betani Vázquez Núñez / Mariana Nuñez Huitrón (MÉXICO), Voortus (MÉXICO) <i>Program:</i> https://forms.gle/xjAVYUkMDLM5i1J1A Venue: Technological Auditorium for Continuing Education (Auditorio Tecnológico para la Educación Continua) https://maps.app.goo.gl/gvB9V9Vw5WPEKQcU7
8:00-18:00	2025 IFS Registration Venue: Technological Auditorium for Continuing Education (Auditorio Tecnológico para la Educación Continua) https://maps.app.goo.gl/gvB9V9Vw5WPEKQcU7



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JULY 29TH. FIRST DAY OF ACADEMIC ACTIVITIES OF THE 2025 IFS

TIME	SESSION AND VENUE
08:00-09:00	Registration Venue: Lobby of the University Theater (Teatro Universitario)
09:00-09:30	OPENING CEREMONY Venue: The University Theater (Teatro Universitario)
09:30-10:20	PLENARY TALK Igniting firefly conservation efforts: a global update Sara Lewis¹ and Wan F.A. Jusoh² <i>¹Professor emerita of Biology, Tufts University, Co-chair IUCN Firefly Specialist Group; ² School of Science, Monash University Malaysia, Co-chair IUCN Firefly Specialist Group. In person</i> Venue: The University Theater (Teatro Universitario)
10:20 - 10:30	Coffee break
	ORAL PRESENTATIONS Venue: Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)
	BIOLOGY AND ECOLOGY SECTION, PART I
10:30	Fireflies from Mexico” project: towards a better understanding of Mexican diversity Daniel Edwin Domínguez-León^{1,6}, Giovanni M, Rodríguez-Mirón², Sara López-Pérez², Paulina Cifuentes-Ruiz³, Mireya González-Ramírez⁴, Ishwari G. Gutiérrez-Carranza^{4,6}, Viridiana Vega-Badillo⁵, Miriam Aquino-Romero⁴ and Santiago Zaragoza-Caballero⁴ <i>¹Departamento de Biología, Facultad de Ciencias, UNAM, Mexico City, Mexico; ²Colección Coleopterológica, Museo de Zoología, Facultad de Estudios Superiores Zaragoza, UNAM, Mexico City, Mexico; ³Escuela Nacional Preparatoria N° 8 “Miguel E. Schulz”, UNAM, Mexico City, Mexico; ⁴Colección Nacional de Insectos, Instituto de Biología, UNAM, Coyoacán, Mexico City, Mexico; ⁵ Colección Entomológica IEXA “Dr. Miguel Ángel Morón Ríos”, Instituto de Ecología A.C., Veracruz, Mexico; IUCN Species Survival Commission-Firefly Specialist Group, Gland, Switzerland. Online</i>
10:50	Diversity and structure of the microbiome in Northeastern American fireflies Benoit Bechade <i>University of Texas at Arlington, USA. In person</i>
11:10	Among volcanoes and genes: The fragile future of <i>Photinus palaciosi</i> Tania Guadalupe López Palafox¹, Jaime Gasca Pineda², Carlos Cordero Macedo³ and Blanca Hernández Baños⁴ <i>¹Facultad de Estudios Superiores Iztacala, UNAM. Unidad de Morfología y Función. Laboratorio de Ecología Evolutiva de Artrópodos; ²Instituto de Ecología, UNAM. Laboratorio de Evolución Molecular y Experimental; ³Instituto de Ecología, UNAM. Laboratorio de Evolución de la Conducta de Insectos; ⁴Facultad de Ciencias, UNAM. Departamento de Biología Evolutiva. In person</i>
11:30	Cannibal females: Description of the predatory behavior of <i>Bicellonycha stigmatica</i> (Coleoptera: Lampyridae) females towards males of their own species Yara Maquitico Rocha¹, Aldair Vergara¹, Ornela de Gasperin², Tztzi Placier¹, Jimena Cervantes³, and Carlos Cordero⁴

¹Posgrado en Ciencias Biológicas, Universidad Nacional Autónoma de México, C.U., México;
²Instituto de Ecología A.C., Veracruz, México; ³Facultad de Ciencias, Universidad Nacional Autónoma de México, C.U., México; ⁴ Instituto de Ecología, Universidad Nacional Autónoma de México, C.U., México. **In person**

11:50

Advances in the study of firefly odor

Sarah Lower, Kyle Arriola, Douglas B Collins, Susan Deering, Daphné C Halley, Sean Halloran, Hannah Holmes, Katherine Martinson, Jocelyn G Millar, Robert F Mitchell, Gregory M Pask, Mathew A Price, Samuel Pring, Hanh Tran, Brian Vestal and Yiyu Zheng

Department of Biology, Bucknell University, USA. **Online**

12:10-12:20

Coffee Break

12:20

Habitat suitability modelling of *Abscondita perplexa* (Walker, 1858) in Wayanad District, Kerala, India

Suryamaanas A S¹, Dr. RSM Shamsudeen¹ and Parvez^{2,3}

¹Department of Zoology, Kannur University, India; ²Department of Zoology, University of Calcutta, India; ³Sustainable Wildlife Biodiversity Conservation Association, India. **In person**

12:40

When two *Photinus* species fall in love: two or three caresses and a classic “copy-paste”

Aldair Emmanuel Vergara Paredes¹, Yara Maquitico Rocha¹ and Carlos Rafael Cordero Macedo²

¹Programa de Posgrado en Ciencias Biológicas; ²Instituto de Ecología, UNAM. **In person**

13:00

Observational studies with larger messages Hidden Eggs of the Stars; the Unknown Arkansas Female and The Mystery of the Banana Tree, with audience participation

Lynn Frierson Faust

Emory River Land company, USA. **In person**

13:20

Life history and rearing protocols of *Asymmetricata humeralis*: A novel insight for effective conservation

Parvez

University of Calcutta, India. **In person**

13:40

Laboratory rearing and life cycle study of the Brackish Firefly *Pteroptyx tener* from Trang River, Thailand

Parichart Laksanawimol¹, Rinrada Jundasri¹ and Anchana Thancharoen²

¹Faculty of Science, Chandrakasem Rajabhat University, Bangkok, Thailand; ²Department of Entomology, Faculty of Agriculture, Kasetsart University, Bangkok, Thailand. **In person**

14:00-15:20

Lunch

15:20-16:10

DISCUSSION PANEL

Strengthening taxonomy to facilitate scientific communication and conservation of fireflies

Panelists: Lesley Ballantyne¹, Wan Jusoh², and Malayka Picchi³

Moderator: Luiz Silveira⁴

¹School of Agricultural, Environmental and Veterinary Sciences, Charles Sturt University, Wagga Wagga, Australia; ²School of Science, Monash University Malaysia, Co-chair IUCN Firefly Specialist



Group; ³Consiglio Nazionale delle Ricerche, Istituto di Ricerca sugli Ecosistemi Terrestri, Italy; ⁴Western Carolina University, USA; Venue: Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)

16:10 - 16:20

Coffee break

ORAL PRESENTATIONS

TAXONOMY AND SYSTEMATICS SECTION

Venue: Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)

16:20

Illuminating the history of *Nyctocrepis* Motschulsky, 1853 (Lampyridae: Cladodinae) species delimitation, phylogenetic relationships, and descriptions of new species and larviform female

Matheus de Souza Leite Alexandre¹, Paula M. Souto², Stephanie V. N. Campos³, Luiz F. L. da Silveira⁴ and Daniela M. Takiya¹

¹Laboratório de Entomologia, Departamento de Zoologia, Instituto de Biologia, Universidade Federal do Rio de Janeiro, Brazil; ²Centre for Functional Ecology, Dept Life Sci, Universidade de Coimbra, Portugal; ³Departamento de Ecologia, Instituto de Biologia, Universidade Federal do Rio de Janeiro, Brazil; ⁴Biology Department, Western Carolina University, United States. **In person**

16:40

Improving the blinking taxonomy of the Italian fireflies through the L.U.C.E. project

Malayka Samantha Picchi¹, Luiz Silveira², Leonardo Ancillotto^{1,3}, Alessandro Lagrotteria^{1,4}, Dario Cioppa⁵, Stephanie Vaz⁶, Mariella Baratti¹, Norma Lelli¹, Matteo Profeti⁷, Elio Profeti Picchi⁷, Emiliano Mori^{1,3}

¹Consiglio Nazionale delle Ricerche, Istituto di Ricerca sugli Ecosistemi Terrestri, Italy; ²Biology Department, Western Carolina University, United States; ³National Biodiversity Future Center (NBFC), Italy; ⁴Department of Life Sciences and Systems Biology, University of Turin, Italy; ⁵Dipartimento di Scienze Biologiche, Geologiche e Ambientali (BiGeA), Università di Bologna, Italy; ⁶Departamento de Ecologia e Evolução, Universidade do Estado do Rio de Janeiro, Brazil; ⁷Via Luigi Einaudi, Pisa. **In person**

17:00

Exploring diverse habitus of *Abscondita perplexa* (Walker, 1858) (Lampyridae) in India; a new key to the morphological identification

Abhishek Mishra^{1,6}, Parvez^{2,6}, Surya Maanas^{3,6}, RSM Shamsudeen^{3,6}, A K Chakravarthy⁴, Abhirup Saha⁵ and Amlan Das²

¹Department of Zoology, St Joseph's University, India; ²Department of Zoology, University of Calcutta, India; ³Department of Zoology, Kannur University, India; ⁴Environmental Management and Policy Research Institute, India; ⁵Insect Biochemistry and Molecular Biology laboratory, University of North Bengal, India; ⁶Sustainable Wildlife Biodiversity Conservation Association, India. **In person**

17:20

Synopsis of the Lampyridae (Coleoptera: Elateroidea) of Jalisco, México

Sonia Yarabí Morales Domínguez

University of Guadalajara, Jalisco, México

17:40

Tiny but mighty, five potentially new miniaturized firefly species from tropical South America (Coleoptera: Lampyridae)

Julie Marie Cadigan

Western Carolina University, USA. **In person**



18:00	Exploration and insights of three new species of fireflies and their Conservation in Northwestern Himalaya of Jammu region Uma Shankar¹ and Abhishek TS² <i>Division of Entomology, SKUAST-Jammu, J&K, India. Online</i>
18:20	Trees on FIRE: Phylogeny and Biogeography of the “Fire Beetles” (Coleoptera: Elateridae: Pyrophorini) Anna Blight Parker <i>North Carolina State University, USA. In person</i>
18:40	Toward an understanding of the larviforms (Coleoptera: Lampyridae, Phengodidae) Joseph M. Cicero <i>(retired, USA). In person</i>
19:10 - 19:40	CULTURAL EVENT Folkloric Ballet of the Autonomous University of Tlaxcala Representative dances of the México and Tlaxcala Venue: The University Theater (Teatro Universitario)
19:40-20:00	Opening of Student Photo Contest <i>Organizers: Luis Mendoza Cuenca¹, Cisteil Xinum Pérez Hernández¹, Sandra García de Jesús²</i> <i>Special guests: Guillermo Pérez², Gerardo Ochoa (online)¹, Radim Schreiber³</i> ¹Michoacana University of San Nicolás de Hidalgo, Michoacán, México; ²Autonomous University of Tlaxcala, Tlaxcala, México; ³Fairfield, IA, USA Fireflyers International Network Auction opening <i>Organizer: Anchana Thancharoen</i> Cocktail & IFS group photos Venue: The University Theater (Teatro Universitario)
20:00	Dinner

JULY 30TH. SECOND DAY OF ACADEMIC ACTIVITIES OF THE 2025 IFS

TIME	SESSION AND VENUE
08:30-09:00	Registration Venue: The University Theater (Teatro Universitario)
09:00-09:50	PLENARY TALK An updated worldwide phylogeny of Lampyridae: New insights and next steps Kathrin Stanger-Hall <i>Department of Plant Biology, University of Georgia, USA</i>



Venue: The University Theater (Teatro Universitario)

09:50-10:00

Coffee break

ORAL PRESENTATIONS

BIOLOGY AND ECOLOGY SECTION, PART II

CONSERVATION AND TOURISM PART I (Citizen Science)

Venue: Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)

10:00

Assessment and novel use of hierarchical distance sampling to estimate firefly abundance

Rachel Laura¹, Robert Steidl¹, Michael Bogan¹, and Kathleen Prudic¹

¹School of Natural Resources and the Environment, University of Arizona, Tucson. *In person*

10:20

What can we learn from robotics modeling firefly synchronization?

Gonzalo Marcelo Ramirez Avila^{1,2}, Cinzia Tomaselli^{1,3}, Lucia Valentina Gambuzza³, Mattia Frasca³, Elio Tuci¹ and Timoteo Carletti¹

¹Namur Institute for Complex Systems (naXys). Université de Namur, Belgium; ²Instituto de Investigaciones Físicas. Universidad Mayor de San Andrés, Bolivia; ³Department of Electrical, Electronic and Computer Science Engineering, University of Catania, Italy. *In person*

10:40

Prague Searches for Fireflies: Citizen Science Reveals the Secrets of Firefly Habitats

Martin Novák, Jana Svobodová and Lenka Pelikánová

Department of Ecology, Faculty of Environmental Sciences, Czech University of Life Sciences Prague, Czech Republic. *In person*

11:00

Firefly Watch Pro and the ManShip Artists Residency: Examining alternative models of firefly monitoring and education

Christopher Cratsley

Fitchburg State University. *In person*

11:20

Lessons from the Firefly Atlas: A community science project to track and conserve firefly species in the USA & Canada

Candace Fallon and Richard Joyce

Xerces Society for Invertebrate Conservation, Oregon, USA. *In person*

11:40-12:30

DISCUSSION PANEL

Enriching the study of fireflies through citizen science

Panelists: Candace Fallon¹, Christopher Cratsley², Raphaël de Cock³

Moderator: Ek del Val⁴

¹Xerces Society for Invertebrate Conservation, Oregon, USA; ²Fitchburg State University

³Department of Biology, University of Antwerp, Belgium; ⁴National Autonomous University of Mexico, México

Venue: Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)



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12:30-12:40

Coffee break

ORAL PRESENTATIONS

BIOLOGY AND ECOLOGY SECTION, PART III

Venue: Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)

12:40

Unveiling the ecological traits of a common glow-worm in Southwestern Europe (*Nyctophila reichii*, Jacquelin du Val, 1859)

José Ramón Guzmán Álvarez¹, Raphaël De Cock², Natàlia Fernàndez Hervás³; Francisco Vañó and ⁴María Garrido Lozano

¹¿Has visto una luciérnaga? citizen science project, Spain; Evolutionary Ecology Group (EVECO), ²Department of Biology, University of Antwerp, Belgium; ³Naturalist; ⁴Cortijo de Guadiana Olive Farm, Úbeda, Jaén. **Online**

13:00

Microhabitat utilization of four mangrove *Pteroptyx* firefly larvae species in Thailand

Suparada Boonloi

Department of Entomology, Faculty of Agriculture, Kasersart University, Thailand. **In person**

13:20

Comparative biology of two *Luciola* spp. Laporte, 1833 from the Po River valley, Italy

Cioppa Dario¹, Leonardo Ancillotto^{2,3}, Alessandro Lagrotteria^{2,4}, Picchi Malayka Samantha², Stephanie Vaz⁵, Mariella Baratti², Norma Lelli², Emiliano Mori^{2,3}, Luiz Felipe Lima da Silveira⁶

¹Dipartimento di Scienze Biologiche, Geologiche e Ambientali (BiGeA), Università di Bologna, Bologna, Italy; ²Consiglio Nazionale Delle Ricerche, Istituto di Ricerca sugli Ecosistemi Terrestri, Italy; ³National Biodiversity Future Center, Italy; ⁴Department of Life Sciences and Systems Biology, University of Turin, Italy; ⁵Departamento de Ecologia e Evolução, Universidade do Estado do Rio de Janeiro, Brazil; ⁶Biology Department, Western Carolina University, United States. **In person**

13:40-15:30

Lunch

IUCN SSC Firefly Specialist Group *informal meeting* at Señoríos restaurant

15:30-16:20

PLENARY TALK

Balancing conservation and commerce: firefly reintroduction challenges

Anchana Thancharoen

Department of Entomology, Faculty of Agriculture, Kasetsart University, Bangkok, Thailand. **In person**

Venue: Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)

16:20-16:30

Coffee break

ORAL PRESENTATIONS

CONSERVATION AND TOURISM PART II

Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)



- 16:30 **Four-party cooperation and volunteer participation in firefly restoration in Taiwan—The CSR and ESG case studies of PX mark and VIS**
Chia Hsiung Wu¹, Tsai, Jian Sheng² and Yang, Ping Shih³
¹The senior consultant of firefly restoration; ²The director; ³The CEO in Friends of Daan forest park foundation. In person
- 16:50 **Regulation and safeguard of the populations of *Photinus palaciosi*: The cases of Tlaxcala and Puebla**
Rubí García Castillo¹ and Adriana Isabel Gutiérrez Castro²
¹Asociación Colinas Mágicas; ²El Colegio de Tlaxcala, A.C. In person
- 17:10 **An ecological and sustainable approach to preserving bioluminescent diversity in an ecotourism zone from Tlalpujahua, Michoacán**
Susana Domínguez Torres¹, Cisteil Xinum Pérez Hernández² and Ignacio Esteban Castellanos Sturemark¹
¹Center for Biological Research, Interactions Laboratory, Academic Area of Biology, Institute of Basic Sciences and Engineering, Autonomous University of the State of Hidalgo, Mexico; ²Faculty of Biology, Behavioral Ecology Laboratory, Michoacán University of San Nicolas de Hidalgo, Mexico. In person
- 17:30 **The heart of Mexico's most iconic firefly sanctuary: Community values in the lives of the people of Nanacamilpa and Calpulalpan**
Adriana Isabel Gutiérrez Castro and Ángel David Flores Domínguez
El Colegio de Tlaxcala, A.C. In person
- 17:50 **Building an agency among ejidatary womans associated with firefly sighting management in the San José Ejido, Nanacamilpa: an opportunity for sustainability**
Karla Ananda Rives González and Adriana Isabel Gutiérrez Castro
Centro de Estudios en Turismo, Medio Ambiente y Sustentabilidad, El Colegio de Tlaxcala, AC. Online
- 18:10 **Phenological Monitoring as a Measure Against Climate Change: The Case of the Firefly Sanctuary**
Carla Isabel Arreguín Magaña
Ciudad de México, México. Online
- 18:30 **Firefly tourism and its consequences on amphibian communities; a study in central Mexico**
Juan Manuel Díaz García¹, Aníbal Helios Díaz de la Vega Pérez² and Itzel Arias del Razo¹
¹Centro Tlaxcala de Biología de la Conducta, Universidad Autónoma de Tlaxcala; ²Escuela Nacional de Estudios Superiores, Unidad Mérida, Universidad Nacional, México. Online
- 18:50 **An update of studies on congregating fireflies (Coleoptera; Lampyridae; *Pteroptyx* sp.) in Sabah, Malaysia**
Mahadimenakbar Bin Mohamed Dawood and Fiffy Hanisdah Saikim
Institute for Tropical Biology and Conservation, Universiti Malaysia Sabah, Malaysia. Online
- 19:10-20:00 **FIREFLYERS INTERNATIONAL NETWORK – AUCTION**

20:00

Venue: Lobby of the University Cultural Center (Lobby de Centro Cultural Universitario) and *Señoríos* Restaurant

Dinner

JULY 31ST. THIRD DAY OF ACADEMIC ACTIVITIES OF THE 2025 IFS

TIME

SESSION AND VENUE

08:30-09:00

Registration

09:00-09:50

PLENARY TALK

Fireflies, Humans, Forests. Living in a Multispecies World

Paola Velasco Santos

*Institute of Anthropological Research, National Autonomous University of Mexico. **In person***

Venue: The University Theater (Teatro Universitario)

09:50-10:00

Coffee break

ORAL PRESENTATIONS

CULTURAL IMPACT, ARTS AND SOCIETY SECTION

Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)

10:00

Projects to Enhance Habitats for Fireflies in Switzerland

Stefan Ineichen

*Association Glow-worm Project, Switzerland. **In person***

10:20

Human-fireflies relationship: an ethnographic perspective

Chastant Boris

*Canthel (Centre d'anthropologie culturelle), University Paris Cité, France. **Online***

10:40

Oral history as a citizen science tool to understand firefly extirpation in Morelia, Michoacán, Mexico

Cisteil Xinum Pérez Hernández^{1,2}, Danna Betsabe Rivera Ramírez³, Yaayé Arellanes-Cancino⁴ and Luis Mendoza-Cuenca¹

¹Unidad Lerma, Universidad Autónoma Metropolitana, Lerma de Villada, State of Mexico, Mexico.

²Faculty of Biology, Behavioral Ecology Laboratory, Universidad Michoacana de San Nicolás de Hidalgo, Mexico. ³IUCN SSC Firefly Specialist Group, Switzerland. ⁴Facultad de Economía, Universidad Michoacana de San Nicolás de Hidalgo, México. **In person**

11:00

The Intersection of Art and Firefly Conservation

Ping Lei

*China. **In person***

11:20

Fireflies (Coleoptera: Lampyridae) in world philately part I: diversity, conservation and cultural symbolism



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Ishwari G. Gutiérrez-Carranza^{1,4}, Oliver Keller^{2,4}, Benigno Gómez³ and Santiago Zaragoza-Caballero¹

¹Colección Nacional de Insectos, Instituto de Biología, UNAM, Mexico; ²Department of Ecology and Evolutionary Biology, Michigan Pathogen Biorepository Initiative, University of Michigan, U.S.A.;

³Departamento de Conservación de la Biodiversidad, El Colegio de la Frontera Sur, México; ⁴IUCN Species Survival Commission-Firefly Specialist Group, Switzerland. **In person**

11:40

Firefly Experience (Art Presentation)

Radim Schreiber

Fairfield, IA, USA. **In person**

12:00-12:10

Coffee break

ORAL PRESENTATIONS

BIOLOGY AND ECOLOGY PART IV

Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)

12:10

Behavioural responses of fireflies to artificial light: Red lights attract adult *Lamprigera*

Fathan Anandadzikra Muharraran, Wei Jack Tan and Wan Faridah Akmal Jusoh

Monash University Malaysia, Malaysia. **Online**

12:30

Glow-worm reproduction under light pollution: the impact of light color

Linnea Kivelä, Christina Elgert, Topi K. Lehtonen and Ulrika Candolin

University of Helsinki, Finland. **Online**

12:50

Bugged by the light: how artificial light affects glow-worm behaviour across life stages

Mira Van den Broeck, Sander Vandormael, Koen Van Daele, Raphaël De Cock and Erik Matthysen

Evolutionary Ecology Group, Campus Drie Eiken, University of Antwerp, Belgium. **In person**

13:10

An isolated firefly population in the city

Vor YIU

Hong Kong Entomological Society, Hong Kong. **In person**

13:30

LED's see how the fireflies flee: Quantifying effects of artificial light on flight activity of the firefly *Lamprohiza splendidula*

Indra Saenen

Vrije Universiteit Brussel, Belgium. **In person**

13:50-15:30

Lunch

ONLINE POSTER SESSION

Lobby of the University Cultural Center (Lobby de Centro Cultural Universitario)

(online posters will be presented with the audience in the room)

15:30-17:30

1. Fireflies' nights - a program of environmental education.



Henrique Nepomuceno Alves, Raphaël De Cock, & Jorge Pereira Gomes
Parque Biológico de Gaia, Vila Nova de Gaia, Portugal; Evolutionary Ecology Group, University of Antwerp, Antwerp, Belgium; Parque Biológico de Gaia, Vila Nova de Gaia, Portugal.

2. Bring Back the Light: conservation and eco-Tourism practices in Bali, Indonesia

Margaretha Noviani
Bring Back the Light, Indonesia.

3. Biological Observations in the Immature States of the firefly (*Photinus extensus*) at the Mirador Prismas Basálticos Texcoco, State of México, 2022

Zaira Marlene Palma Suárez
Universidad Autónoma Chapingo, México.

4. Firefly-based ecotourism in India: a bimodal approach of conservation, and environmental management by integrating nature and community

Srinjana Ghosh¹, Susanta Kumar Chakraborty²
¹Department of Zoology, Bethune College, India; ²Department of Zoology, Vidyasagar University, India

15:30-17:30

IN PERSON POSTER SESSION

Lobby of the University Cultural Center (Lobby de Centro Cultural Universitario)

1. Monitoring the population density of the firefly *Photinus palaciosi* in the Emiliano Zapata Ejido (Bosque Esmeralda), Amecameca, State of Mexico

Adrian Ayala Luna¹, **Brendy Sarahi Lucio Gálvez¹**, José Tulio Méndez Montiel¹, Rafael E. Parrilla Arroyo², José Luis López Jiménez², Beatriz C. Aguilar Valdez¹ y Leopoldo Mohedano Caballero¹

¹Universidad Autónoma Chapingo, México; ²Ejido Emiliano Zapata, México

2. Evolutionary insights into courtship events and behavioral implications in firefly species from Morelia, Michoacán

Juan J. Vazquez Barriga¹, Luis Felipe Mendoza Cuenca¹, Cisteil X. Pérez Hernández^{1, 2}

¹ Faculty of Biology, Behavioral Ecology Laboratory, Universidad Michoacana de San Nicolás de Hidalgo, Morelia, Michoacán, Mexico; ²IUCN SSC Firefly Specialist Group, Gland, Switzerland

3. Biological, ecological and morphological aspects of the firefly, *Photinus chapingoensis* Zaragoza-Caballero and Campos-Bolaños (Coleoptera: Lampyridae)

Moisés de Jesús de la Cruz, Rodolfo Campos-Bolaños y José Tulio Méndez-Montiel
Universidad Autónoma Chapingo, Estado de México, México

4. Fireflies' diversity in Morelia, Michoacán

Ormailly Madrugá Rios¹, Ek del Val de Gortari², Cisteil Xinum Pérez Hernández

¹Posgrado en Ciencias Biológicas, UNAM; ²Instituto de Investigaciones en Ecosistemas y Sustentabilidad, UNAM; Universidad Michoacana San Nicolás de Hidalgo, Michoacán, México.

5. Altitudinal distribution of fireflies (Coleoptera: Lampyridae) in the Tacaná volcano, Mexico



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Victor Iván López Paz

El Colegio de la Frontera Sur, Chiapas, México

6. A modeling approach for studying synchronization in mobile fireflies

Stéphanie Depickère¹, Gonzalo Marcelo Ramírez-Ávila^{1,2}

¹*Instituto de Investigaciones Físicas. Universidad Mayor de San Andrés. La Paz, Bolivia;*

²*Namur Institute for Complex Systems (naXys). Université de Namur, Belgium*

7. Behavioural study on male *Pteroptyx valida* display behaviour in Lorong Halus, Singapore

Tok Yin Xin

National Parks Board Singapore

8. Courtship strategies and sexual communication in fireflies of the genus *Photuris* from Michoacán, México

Yadzel Ventura Paz¹, Luis Mendoza Cuenca¹, Cisteil X. Pérez-Hernández^{1,2}

¹*Faculty of Biology, Behavioral Ecology Laboratory, Universidad Michoacana de San Nicolás de Hidalgo, Morelia, Michoacán, Mexico.* ²*IUCN SSC Firefly Specialist Group, Gland, Switzerland.*

9. Habitat assessment of the firefly *Photinus palaciosi* (Coleoptera: Lampyridae) from Nanacamilpa, Tlaxcala

Ana Evelyn Rodríguez Fernández¹; Cisteil Xinum Pérez Hernández²; Sandra García de Jesús³; Juan Suárez Sánchez⁴; Angela Nava Bolaños⁵

¹*Master of Science in Integrated Management of Hydrographic Basins, Autonomous University of Tlaxcala.* ²*Postdoctoral Researcher. Behavioral Ecology Laboratory Faculty of Biology, Michoacana University of San Nicolás de Hidalgo,* ³*Zoology Laboratory, Faculty of Agrobiology, Autonomous University of Tlaxcala, Tlaxcala,* ⁴*Natural Resources Laboratory, Faculty of Agrobiology, Autonomous University of Tlaxcala, Tlaxcala.* ⁵*Unidad Multidisciplinaria de Docencia e Investigación, Facultad de Ciencias, UNAM*

10. Establishing a Center for Species Survival for Fireflies

Karin Federer¹, Elia Heule¹, Raphaël De Cock^{2,3,4}

¹*Walter Zoo AG Gossau, SG, Switzerland,* ²*IUCN Firefly Specialist Group Europe,* ³*Europe representative Fireflyers International Network,* ⁴*Evolutionary Ecology Group (EVECO), Department of Biology, University of Antwerp, Belgium*

11. A primer of “Lucciolate”: the Italian Experience with Firefly Observation and Awareness Activities.

Malayka Samantha Picchi¹, Luiz Silveira², Leonardo Ancillotto^{1,3}, Alessandro Lagrotteria^{1,4}, Dario Cioppa⁵, Stephanie Vaz⁶, Mariella Baratti¹, Norma Lelli¹, Matteo Profeti⁷, Elio Profeti Picchi⁷, Emiliano Mori^{1,3}

¹*Consiglio Nazionale delle Ricerche, Istituto di Ricerca sugli Ecosistemi Terrestri, Sesto Fiorentino (Firenze), Italy;* ²*Biology Department, Western Carolina University, Cullowhee, North Carolina, United States;* ³*National Biodiversity Future Center (NBFC), Palermo, Italy;* ⁴*Department of Life Sciences and Systems Biology, University of Turin, Turin, Italy;* ⁵*Dipartimento di Scienze Biologiche, Geologiche e Ambientali (BiGeA), Università di Bologna, Bologna, Italy;* ⁶*Departamento de Ecologia e Evolução, Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Rio de Janeiro, Brazil;* ⁷*Via Luigi Einaudi, 57 Ponsacco, Pisa*

12. Under the Spotlight: The Battle of Firefly Romance and Urban Illumination



Martin Novák (1), Jana Svobodová (1), Kateřina Vraštilová (1) , Tomáš Kadlec (1), Pavel Jakubec (1), Petr Chajma (1)

Department of Ecology, Faculty of Environmental Sciences, Czech University of Life Sciences Prague, Czech Republic.

13. Firefly Distribution Map of The IUCN Red List of Threatened Species What is it and how it is made

Vor YIU

Hong Kong Entomological Society, Hong Kong

14. Citizen Science for the Conservation of Fireflies and its Application in Ecotourism Projects in Córdoba, Argentina

Walter E. Cejas¹ , Nelci Pascual ²

Museo de Zoología. Facultad de Ciencias Exactas, Físicas y Naturales. Universidad Nacional de Córdoba, Argentina. 2 Colección Entomológica de Córdoba (ENTOCOR) CIEC-IMBIV

15. Participatory Process for the Sustainable Use and Conservation of Fireflies (Coleoptera, Lampyridae) in Tlalpujahua del Rayón, Michoacán, México

Ximena Alcocer Gochi¹, Constanza Wulschner Montes², Cisteil X. Pérez-Hernández^{3,4}

1 Environmental Sciences National Autonomous University of Mexico Campus Morelia, Michoacán. 2Department of the Conservation Areas of the State System. Environmental Secretary of Michoacán, 3 Faculty of Biology, Behavioral Ecology Laboratory, Universidad Michoacana de San Nicolás de Hidalgo, Morelia, Michoacán, Mexico; 4 IUCN SSC Firefly Specialist Group, Gland, Switzerland.

16. Fireflies (Coleoptera: Lampyridae) in world philately part II: Japanese landscape postmarks

Ishwari G. Gutiérrez-Carranza 1,3; Daniel Edwin Domínguez-León^{1,2,3}

1 Colección Nacional de Insectos, Instituto de Biología, UNAM, Coyoacán, Mexico City, Mexico; 2 Departamento de Biología, Facultad de Ciencias, UNAM, Coyoacán, Mexico City, Mexico; 3 IUCN Species Survival Commission-Firefly Specialist Group, Gland, Switzerland;

17. Outreach material for the conservation of the luciérnaga de los volcanes *Photinus palaciosi* in the Truchero Tenerife, San Juan Cuauhtémoc, Tlahuapan, Puebla, Mexico

Guadalupe Cazañas Ramos¹ , Rodrigo Cortes Rodríguez ² , Evelyn Sánchez Torres ³ , Daniel Sastré Peralta ⁴ , Sandra García de Jesús ⁵

Licenciatura en Biología, Facultad de Agrobiología, Universidad Autónoma de Tlaxcala.

18. Business models for firefly watching in the Sierra Nevada, Mexico

Mayra Clementina Zamora-Elizalde ^{1 *}; Vinicio Horacio Santoyo-Cortés ¹ ; Juan Antonio Leos-Rodríguez ¹ ; José Tulio Méndez-Montiel ²

1 Centro de Investigaciones Económicas, Sociales y Tecnológicas de la Agricultura y Agroindustria Mundial (CIESTAAM); 2 División de Ciencias Forestales. Universidad Autónoma Chapingo. Chapingo, Texcoco, Estado de México.

19. Comparative Morphology of Lamprohizinae

Alana Eargle¹, Kathrin Stanger-Hall², Lynn Faust³, Luiz Lima da Silveira¹

Western Carolina University¹, University of Georgia², Emory River Land Company and Great Smoky Mountains Conservation Association³



20. Phylogenetic relationships and morphometrics of Lampyridae (Insecta: Coleoptera) in Guatemala

María Andrea Campos Molina

Biology Department, Universidad del Valle de Guatemala, Guatemala, Guatemala

21. Phylogeny and Preliminary Data on a New Genus of Lucidotini Firefly with Neomorphic Genitalia (Coleoptera: Lampyridae)

Makayla Humphrey¹ and Luiz Lima da Silveira¹

¹Biology Department, Western Carolina University, Cullowhee, North Carolina, USA

22. Morphological comparison of larvae from four *Pteroptyx* species (Coleoptera: Lampyridae: Luciolinae) in Thailand

Suparada Boonloi 1, Parichart Laksanawimol 2, Soraya Jaikla 3,4, Marc A. Branham 5, Anchana Thancharoen 1,4,6

1 Department of Entomology, Kasetsart University, Bangkok, Thailand, 2 Faculty of Science, Chandrakasem Rajabhat University, Bangkok, Thailand, 3 Department of Entomology, Kasetsart University, Kamphaeng Saen, Nakhon Pathom, Thailand, 4 IUCN Firefly Specialist Group, Gland, Switzerland, 5 Department of Entomology and Nematology, University of Florida, Gainesville, FL, USA, 6 Research and Lifelong Learning Center for Urban and Environmental Entomology, Kasetsart University Institute for Advanced Studies, Kasetsart University, Bangkok, Thailand

23. Characterization of the sensory structures associated with sexual communication in selected species of fireflies (Coleoptera: Lampyridae) from Mexico

José David Ramos Islas¹, Emmanuel Arriaga Varela², Cisteil Xinum Pérez Hernández^{3,4} and Salvador González de León⁵

¹ Facultad de Biología, Universidad Veracruzana, Xalapa, Veracruz, México, 2 Red de Biodiversidad y Sistemática, Instituto de Ecología A.C., Xalapa, Veracruz, México, 3 Facultad de Biología, Laboratorio de Ecología del Comportamiento, Universidad Michoacana de San Nicolás de Hidalgo, Morelia, Michoacán, Mexico, 4 IUCN SSC Firefly Specialist Group, Gland, Switzerland 5 Red de Biología Evolutiva, Instituto de Ecología A.C., Xalapa, Veracruz, México

24. Redescription of *Lucidota apicalis* Gorham, 1880, a small step toward clarification of a taxonomically complex group

Kimberly García¹, Martha Drake 2, Kathrin Stanger-Hall 3, Luiz Felipe Lima Da Silveira⁴, and Joseph McHugh⁵

1 Department of Entomology, The University of Georgia, Athens, Georgia, USA, 2 Department of Entomology, The University of Georgia, Athens, Georgia, USA, 3 Department of Plant Biology, The University of Georgia, Athens, Georgia, USA, 4 Biology Department, Western Carolina University, Cullowhee, North Carolina, USA, 5 Department of Entomology, The University of Georgia, Athens, Georgia, USA". **Hybrid presentation**

25. Redescription of *Photinus pallens* (Coleoptera: Lampyridae), the Type Species of *Photinus*

Martha Drake 1, Kimberly Garcia-Lopez 2, Kathrin Stanger-Hall 4, Luiz Felipe Lima Da Silvera 5, Joseph McHugh

1 Department of Entomology, The University of Georgia, Athens, Georgia, USA, 2 Department of Entomology, The University of Georgia, Athens, Georgia, USA, 3 Department of Entomology, The University of Georgia, Athens, Georgia, USA, 4 Department of Plant Biology,

The University of Georgia, Athens, Georgia, USA, 5 Biology Department, Western Carolina University, Cullowhee, North Carolina, USA

26. Notes on the natural history, life cycle, and detailed description of the immature stages of *Photinus signaticollis* Blanchard, 1846 (Coleoptera: Lampyridae)

Raphaël De Cock¹, Simone Policena Rosa², 3 José Ramón Guzmán Álvarez ¹

Evolutionary Ecology Group (EVECO), Department of Biology, University of Antwerp, Belgium; www.gusanosdeluz.com; 2 Institute of Natural Resources (IRN); Universidade Federal de Itajubá, (UNIFEI), Brazil; 3 “¿Has visto una luciérnaga?” citizen science project, Spain; www.gusanosdeluz.com”

18:00-18:40

CONCLUSIONS AND CLOSING CEREMONY

- o FIN Meeting
- o Introduction of selected 2028 IFS host

Venue: The University Theater (Teatro Universitario)

19:00-20:00

CULTURAL EVENT

University Tuna (Student musical group), Autonomous University of Tlaxcala

Representative dances of the México and Tlaxcala

Venue: The University Theater (Teatro Universitario)

20:00

SYMPOSIUM DINNER

Venue: Señoríos Restaurant

AUGUST 1ST, 2025. TOUR DAY

SCHEDULE

All day (09:00 - 21:00)

SESSION

Tour all day-post symposium

Meeting point and other information will be sent via email

August 6th-7th, 2025. Post-Symposium Workshop

RED LIST EDIT-A-THON OF MEXICAN FIREFLIES

SCHEDULE

10:00-13:00

SESSION AND VENUE

Red List Edit-a-Thon of Mexican Fireflies. Part I. IUCN categories and criteria for red list assessments.

Organizers: Cisteil Xinum Pérez Hernández^{1,2}, Ana Angélica Cervantes Maldonado³, María Loraine Matías Palafox³

Instructors: Angélica Cervantes Maldonado, Loraine Matías Palafox, Yosuki Villegas Raigoza³, Julián Olvera Martínez³



¹Faculty of Biology, Behavioral Ecology Laboratory, Universidad Michoacana de San Nicolás de Hidalgo, Morelia, Michoacán, Mexico; ²IUCN SSC Firefly Specialist Group, Gland, Switzerland; ³National Commission for the Knowledge and Use of Biodiversity, México

Venue: CONABIO, Mexico City and online sessions

CULTURAL EVENTS AND SCIENCE COMMUNICATION ACTIVITIES

SCHEDULE

July 30th to
August 27th
2025

SESSION AND VENUE

Firefly Photography Exhibition

Global Fireflies: Flashes of Light and Culture

Organizers: Luis Mendoza Cuenca¹, Cisteil Xinum Pérez Hernández¹, Sandra García de Jesús², Isabel Hernández³

¹Lab. Ecología de la Conducta, Universidad Michoacana de San Nicolás de Hidalgo, Michoacán, México; ²Facultad de Agrobiología, Universidad Autónoma de Tlaxcala; ³Palacio de Cultura de Tlaxcala

Photographers: Radim Schreiber¹, Gerardo Ochoa², Sriram Murali³, Banthoon Phankaew⁴, Anchana Thancharoen⁵, Sukit Plubchang⁶, Nantasak Pinkaew⁷, Soraya Jaikla⁸, Santhas Boonsang⁹

¹Fairfield, IA, USA; ²Michoacana University of San Nicolás de Hidalgo, Michoacán, México; ³Wild and Dark Earth, Tamil Nadu, India; ⁴Faculty of Journalism and Mass Communication, Thammasat University; ⁵Department of Entomology, Faculty of Agriculture, Kasetsart University; ⁶Lumpoo Bangkasorb, Khung Bangkokchao; ⁷Department of Entomology, Faculty of Agriculture, Kasetsart University Kamphaeng Saen; ⁸Department of Entomology, Faculty of Agriculture, Kasetsart University Kamphaeng Saen; ⁹teeShutterB

Opening: July 30th, 2025, 17:00 h

Venue: Palacio de Cultura Tlaxcala, downtown

SCHEDULE

July 29th to
31st, 2025

SESSION AND VENUE

Science communication activities and sell of Mexican products, crafts and other *Faculty of Agrobiology, UATx*

Organizers: Sandra García de Jesús, Marina Sánchez Luna, Juan Suárez Sánchez, Guillermo Alejandro Pérez Flores, Daniel Nava Galicia, Guadalupe Cazañas Ramos, Evelyn Sánchez Torres, Rodrigo Cortes Rodríguez, Daniel Sastré Peralta

Facultad de Agrobiología, Universidad Autónoma de Tlaxcala

Schedule: 09:00-19:00 h



Venue: Palacio de Cultura Tlaxcala, downtown

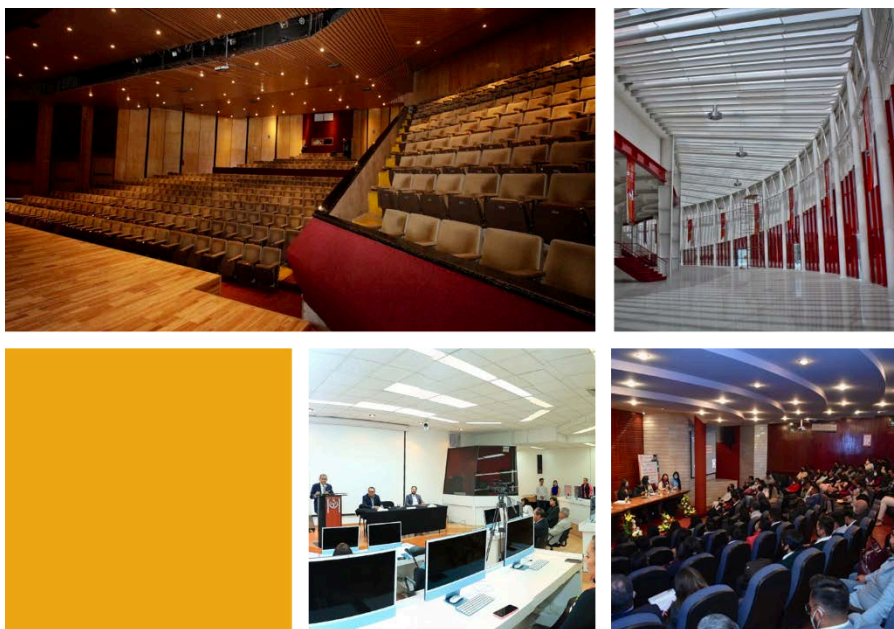


Ciencia y Tecnología
Secretaría de Ciencia, Humanidades, Tecnología e Innovación



Venues:

- The University Theater (Teatro Universitario)
- Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)
- Technological Auditorium for Continuing Education (Auditorio Tecnológico para la Educación Continua)
- Lobby of the University Cultural Center (Lobby de Centro Cultural Universitario)



- A. The University Theater (Teatro Universitario)
 B. Luis Carvajal Espino Auditorium (Auditorio Luis Carvajal Espino)
 C. Lobby of the University Cultural Center (Lobby de Centro Cultural Universitario)
 D. Technological Auditorium for Continuing Education (Auditorio Tecnológico para la Educación Continua).
 E. University Rectory (Rectoría Universitaria)
 F. Señorios Restaurant (Restaurante Señorios)
 G. University Residence (Residencia Universitaria)
 H. Botanical Garden (Jardín Botánico)



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Map of UATx

For transportation in the city you can use the local app **Pronto**, or you can ask for an **Uber**. There is also public transport. ALWAYS USE THE ROUTE "MERCADO".