

**The Environmental Network Research Group (ENRG) of  
National Polytechnic Institute (IPN), Mexico  
Jointly supported by  
Mesoamerican Society for Biology and Conservation, Mexico  
(MSBC)**

**Aims to bring together academicians, Professionals, Researchers, Policy Makers and General Public for the**

**4<sup>th</sup> International Conference of  
Environmental Network Researchers Group of IPN.**

The main theme of the conference is “*Ecosystems for Future Generations*”

The conference will be held at Hotel Villa Bejar, Cuernavaca, State of Morelos, Mexico from 6<sup>th</sup> to 8<sup>th</sup> October, 2021.

The Organizing Committee of CIMA 2021 is closely monitoring the situation in Mexico and around the globe due to the present uncertain circumstances. Our goal is to create a conducive environment for a successful event that allows good participation, while protecting the health and well-being of our participants. In line with the successful first three REMA conferences during the past decade, it is my pleasure and honor to invite you to attend the 4<sup>th</sup> CIMA 2021 which will be held from 6<sup>th</sup> to 8<sup>th</sup> October, 2021. Considering the health and safety recommendations around the World, the event will be in a hybrid environment both in person and via online to discuss and interact together.

The 4th International Conference of Environmental Network Researchers Group of the National Polytechnic Institute will address the following issues in-line with the research of this group.

The central theme of the conference is “**Ecosystems for Future Generations**”. The main aspect is the resilience of a social and/ or ecological system to absorb the disturbances, to maintain the basic structure its functions, the self-organization to absorb the stress as well as their adaptation to changing environment.

The event will include plenary lectures, regular lectures in oral/digital and in poster formats.

For registration and submission of abstracts, please complete the registration form and send it by email: [cimarema2021@gmail.com](mailto:cimarema2021@gmail.com). Submission of abstracts will be open from 20th January to 31st March 2021 and authors are requested to follow the template and instructions to authors in the official webpage.

**Specific themes of the conference are:**

**Theme 1 Natural Resources and Biodiversity**

Conservation and use of natural resources; Biodiversity of terrestrial/aquatic environments: Forests, jungles, deserts, grasslands, evaluation, monitoring, conservation and management.

**Theme 2: Society, economy and sustainable development**

Direct impact of climate change on health; Socio-environmental health; Biodiversity, nutrition and health; Marketing and Developing clean technologies; Sustainable business; Green economy and landscape; Business and environment; Environmental policies, legislation, education and communication.

**Theme 3: Climate change**

Biodiversity and climate change; Droughts and floods; Forest fires; Assisted human and animal migration; Coal and land management; Ocean acidification; Climate change and ecosystems; Landscape analysis; Importance of forest cover; Climatic cycle changes (rainfall and snowfall); Water and climate

**Theme 4: Environmental contamination and bioremediation**

Soil, sediment and water pollution (lagoons, rivers and coastal zone); Diagnosis, prevention/ remediation; Air pollution; Metals in fish and organisms; Microplastics, Bioremediation by different methods of biology; Bioremediation of hydrocarbon, pesticide and metal contamination; Waste water purification.

**Theme 5: New technologies, energy and the environment**

Methods to control nitrogen oxide (NO<sub>x</sub>) generation; Technologies for reduction of pollutants in air, water and soil; High efficiency combustion systems; Geospatial & information technologies; Energy efficiency of thermal systems; Clean energy production; Recovery of residual energy; New fuels and alternative sources of energy.

**Theme 6: Health, COVID-19, pandemics and their global effects**

CO<sub>2</sub> emissions in cities; Air pollution and its relationship with the atmosphere; Problems within home during the pandemic; Health effect on humans; Effects of social distancing; Effects on the educational system; Conflicts around the world related to the pandemic; Vaccines and uncertainty; Health and Side Effects of Vaccines; Challenges of future pandemics.

**Official Language:**

The official language of the conference are Spanish and English. Spanish presentations will be translated to English or will have English text in the presentation format.

## **ABSTRACTS (INSTRUCTIONS FOR ABSTRACTS - See format)**

The reception of abstracts starts from 20th January to 31st March, 2021. The abstract must be entered in the format (see template), with a 12 font size and Times New Roman font style. The title should be centered, with capital and bold letters. You should leave an empty line and then write the names of the authors, writing the initials of the name (s) and the full surnames; underline the name of the presenting author (use the format).

The affiliation of each author will be addressed by a number and should be placed on the last part of the authors names, leaving an empty line in between. The email of the author who will present/ corresponding author of the work must be indicated (Notification of acceptance will be sent to this author only).

The abstract should be properly justified, single spaced and no more than 250 words in a single paragraph. Scientific names of species or any other special names should be written in italics. The margins of the document should be 2.5 cm on each side. The abstracts should not include bibliographic references and should cover the following sections: Brief introduction, objective, methods, results, discussion and conclusion. Below the abstract, you must include up to five keywords, separated by semicolons (;). Likewise, the abstract should be sent via email to the following addresses: [cimarema2021@gmail.com](mailto:cimarema2021@gmail.com); [conferencesjmp@yahoo.com](mailto:conferencesjmp@yahoo.com)

The author must specify in the subject field of the email in which theme he/she wishes to include his abstract and to one of the best thematic lines that suits his proposal. He/she should also suggest the mode of presentation (oral or poster). However, the scientific committee will select the most suitable modality for the scientific work received and will also take into consideration of the themes specified by the author.

All accepted articles must be presented and their abstracts will be published in the conference special in three different ways:

- 1) Conference abstract volume of all the articles that will be presented at the conference;
- 2) Full article (in English) in a special issue of the journal “Environmental Science and Pollution Research (ESPR, Springer - Verlag)” and
- 3) Full article (in Spanish/English), in a special issue of Editorial IPN, Mexico.

Instructions for authors to submit articles to ESPR and IPN Editorial will be sent to the author for correspondence of each article and the web links will also be available on the website shortly.

The abstract, once accepted by the scientific review committee, will be included in the conference abstract volume without modifications as sent by the authors. Likewise, the abstract must be in both languages. The acceptance of the abstracts will be communicated by email before March 31, 2021 to the corresponding author as indicated in the abstract. The presentation of the article in the congress is conditional, signifying that at least one of the authors will register for the event no later than May 31, 2021 as indicated for different categories. Non-registered articles will be removed from the

conference proceedings. Author registration allows presenting a maximum of two articles in the event. Submitted articles must be unpublished and presented for the first time in the present scientific forum.

In the event that the scientific evaluation committee finds that a submitted work is very similar to another that has been previously presented or published in another scientific forum, it will be removed immediately under the following criteria:

- Degree of similarity between both the works.
- No new contributions in the subject of study.
- The article will be definitively rejected if two or more members of the committee agree on that opinion.
- Topic does not correspond to the topics of the specified themes.
- If it does not meet the required scientific quality standards.

### **Scientific Committee:**

The Scientific Committee is made up of prominent researchers and professionals from each of the specific topics of the congress.

### **CIMA 2021 Research Awards**

- “CIMA 2021 Young Researchers Award” will be awarded to all themes.
- Each theme will be awarded.
- The awards will be different for oral and poster presentation (Students and professionals awards are separate).
- Student participants must be under 35 years of age and be the first author of the article to be presented. (Proof of student participants should be produced and or can be graduate students or professionals).
- Participants can participate only in one single topic and multiple entries will be rejected automatically.
- The participating author must indicate in the Abstract/ registration form if they are participating in any award or it is a general presentation.
- Participating authors must be registered and submit a complete article in Spanish or English for publication before the stipulated deadline (see calendar of important dates).

### **Abstracts / Full Articles Publication options:**

- Option 1** Only in Proceedings of the conference (link on the website)  
Submit before March 31st.  
Click - (See authors guide for instructions).
- Option 2** Environmental Science and Pollution Research Springer Verlag  
Click – (In english)  
Submit full articles before May 31, 2021.  
(See authors guide for instructions)

- Option 3** Editorial IPN - Special volume  
Click - (See authors guide for instructions) (Spanish/English)  
Submit before May 31, 2021.

Authors will be able to send their full article once they receive the letter of acceptance of their abstract. Editors of the special volume will decide on the different options of publication depending on the subject and content of the proposed article.

### **Presentation in conference**

#### **Oral Presentation at the event (Face-to-face and virtual)**

Oral presentations will be made in technical sessions

(The schedule will be published in the conference webpage).

Authors must inform the organizing committee before September 10, if they attend the conference **in-person** in Cuernavaca, Morelos, Mexico or through the **online** platform (**Virtual mode**).

Each oral presentation will last 15 minutes and 5 minutes for questions or debate. The questions/debates will be based on the discretion of the coordinators of each technical session. For all in-person presentation, a computer and a multimedia projector will be provided.

#### **Some basic information about the presentation modes:**

- The presentation must be within in a maximum of 15 minutes;
- Preferably, Power Point software should be used and should be submitted in a USB drive, or if it is virtual, it should be sent by email to minimize possible inconveniences.

#### **Presentation via virtual platform:**

- Participating authors are requested to confirm no later than September 10, 2021 that they will participate and / or present through the virtual platform.
- Certificates will only be provided to all confirmed and connected authors/ participants during the three days of the event.
- Corresponding authors and / or presenting authors may be contacted prior to the CIMA 2021 event, if necessary, to verify internet speed and other procedures to follow during the presentation of their research article.
- General participants without any presentations in CIMA 2021 must also confirm their participation with the registration form to issue the “*Certificate of participation*”. Certificate of participation will only be provided to registered participants connected through official “You Tube” channel of the event. More information will be provided during September 2021.

- Participation of students and Certificate of Participation will be strictly based on the registration made in the official YouTube channel or chat message with your registered email ID.

#### Poster presentations:

- The presentation of the posters will take place in specific sessions. However, if presenting directly in-person, the posters can be installed at the beginning of the day corresponding to their exhibition. It is recommended that the authors arrive ten minutes before starting time of the poster session.
- The organizers will provide panels to post the posters, and the necessary materials for their exposition.
- Each poster will have a reserved space 90 cm wide by 120 cm. long.
- The poster must be registered at the event place, on the day and time defined in the program.
- **For online Poster Presentations**, the presentation of posters will be in PDF format. Instructions will be posted soon on the website.

Click - (See payment instructions - national)

Click - (See payment instructions - international)

#### Registration and payment details:

Sl.No.	Details	In-person in Hotel Villa Bejar, Cuernavaca, México.	Participation via Online platform
<b>Registration Fees for CIMA 2021</b>			
1	General Public (Register before 15th July 2021)	MXN\$ 2500.00 USD\$ 275.00	MXN\$ 1250.00 USD \$ 175.00
2	General Public (Registration after 15th July 2021)	MXN\$ 3000.00 USD\$ 300.00	MXN\$ 1500.00 USD\$ 200.00
3	Students (Register before 15th July 2021)	MXN\$ 1000.00 USD\$ 150.00	MXN\$ 750.00 USD\$ 100.00
4	Students (Registration after 15th July 2021)	MXN\$ 1500.00 USD\$ 175.00	MXN\$ 1250.00 USD\$ 130.00
5	Members of Network of Environmental Researchers Group (REMA – Registration before 15th July 2021)	MXN\$ 2000.00	MXN\$ 1500.00
6	Members of Network of	MXN\$ 2500.00	MXN\$ 1750.00

---

Environmental Researchers  
Group (REMA – Registration  
after 15th July 2021)

---

- For issuing official receipts/invoice it is advised to send the copy of the deposits made directly via email.
- The in-person registration kit includes: Free participation for the three-day event. Conference kit which includes the Conference Proceedings Volume (Abstracts only - via PDF file or CD), program, Certificate of participation and local coffee service during the event.
- Virtual on-line registration fee includes a Conference Proceedings Volume (Abstracts only - via PDF file or CD), program, Certificate of participation

**Organizing Committee:**

**Dr. Diana Cecilia Escobedo Urías**

Coordinator – Network of Environmental Researchers Group - IPN  
Interdisciplinary Research Center for Integral Development (Sinaloa Unit),  
National Polytechnic Institute (IPN)  
Email: durias@hotmail.com

**Convenor - CIMA 2021**

**Dr. Jonathan Muthuswamy Ponniah**

Center for Interdisciplinary Studies on Environment and Development (CIEMAD),  
National Polytechnic Institute (IPN)  
Email: conferencesjmp@yahoo.com; mpjonathan7@yahoo.com

**Special Volume Editors:**

Dr. Jonathan Muthuswamy Ponniah, CIEMAD, IPN, México  
Dr. Kalina Bermúdez Torres, CEPROBI, IPN, México  
Dr. Ana Judith Marmolejo-Rodríguez, CICIMAR, IPN, México  
Dr. Eugenia López López, ENCB, IPN, México.

**Editorial Committee:**

**Coordinator (Theme 1): Natural Resources and Biodiversity**

Dra. Bertha Patricia Ceballos Vázquez, CICIMAR, IPN, México.

Email: bpceballos@gmail.com

Dr. José Luis Trejo Espino, CEPROBI, IPN, México

Email: jtrejo@ipn.mx

M. en C. Jacinto Elías Sedeño Díaz, Coord. Poli. Sust., IPN, México.

Email: jsedeno@ipn.mx

**Coordinator (Theme 2): Society, economy and sustainable development**

Dr. Raymundo Mayorga Cervantes, ESIA (Tecamachalco), IPN, México

Email: jrmayorga@ipn.mx

Dr. María Elena Tavera Cortés, UPIICSA, IPN, México

Email: mtavera@ipn.mx

Dr. Raúl Junior Sandoval Gómez, UPIICSA, IPN, México

Email: rsandova@ipn.mx

**Coordinator (Theme 3): Climate Change**

Dr. Jesús Antonio Álvarez Cedillo, UPIICSA, IPN, México

Email: jaalvarez@ipn.mx

Dr. Juan José Hurtado Moreno, UPIICSA, IPN, México

Email: jhurtado@ipn.mx

**Coordinator (Theme 4): Environmental contamination and bioremediation**

Dr. Alberto Sánchez González, CICIMAR, IPN, México

Email: alsanchezg@ipn.mx

Dr. Francisco Rodríguez González, CEPROBI, IPN, México

Email: frrodriguezg@ipn.mx

**Coordinator (Theme 5): New technologies, energy and the environment**

Dr. Miguel Ángel Reyes Espinosa, CBG, IPN, México

Email: mreyese@ipn.mx

Dr. Fabián Robles Martínez, UPIBI, IPN, México

Email: froblesm@ipn.mx

**Coordinator (Theme 6): Health, COVID-19, pandemics and their global effects**

Dr. Guadalupe González Díaz, ESEO, IPN, México

Email: gudy0228@yahoo.com.mx

Dr. Brenda Hildeliza Camacho Díaz, CEPROBI, IPN, México

Email: bcamacho@ipn.mx

**Local Organizing Committee:**

Dr. Gabriela Trejo Tapia, CEPROBI, IPN, México

Dr. Brenda Hildeliza Camacho Díaz, CEPROBI, IPN, México

Dr. Kalina Bermúdez Torres, CEPROBI, IPN, México

Dr. José Luis Trejo Espino, CEPROBI, IPN, México

Dr. Francisco Rodríguez González, CEPROBI, IPN, México

Dr. Juan José Hurtado Moreno, UPIICSA, IPN, México

Ing. Alejandro Romo Mexía Gutiérrez, CIIEMAD, IPN, México

**Technical Committee:**

Lic. Erika Contreras, SIP, IPN, México

Ing. Roberto Selvas, CEPROBI, IPN, México

Ing. José Noé Hernández Neri, CIIEMAD, IPN, México

Lic. Héctor Alberto Pérez Barradas, CIIEMAD, IPN, México

Lic. Jaime Chávez Bravo, CIIEMAD, IPN, México

M.C. José Antonio Ceja Díaz, CIIDIR, Michoacán, México

**Place & Lodging:**

The 4<sup>th</sup> International Conference of Environmental Network Researchers Group of IPN will be held in Hotel Villa Bejar, Cuernavaca, Morelos, México.

**Lodging:**

Special discounts are applicable to participants of the event (indicate your



participation in the registration form) in Hotel Villa Bejar, Cuernavaca, México.

Direct bus transportation is available from Mexico City International Airport (Terminal 1 & 2) to Cuernavaca city frequently.

**Other hotels near the main venue:**

Name of Hotel	Webpage	Distance of other hotels Time in min/km
Argento	<a href="https://www.hotelargento.com/">https://www.hotelargento.com/</a>	14/10.4
La Joyita	<a href="https://www.lajoyita.center/">https://www.lajoyita.center/</a>	17/6.4
Occidental/ Casa Francisco	<a href="http://occidental.hoteles-cuernavaca.com/es/">http://occidental.hoteles-cuernavaca.com/es/</a>	14/12
Real del Sol	<a href="https://hotelrealdelsol.miadn.mx/">https://hotelrealdelsol.miadn.mx/</a>	17/6.2
Vistahermosa	<a href="https://www.hotelvistahermosa.com.mx/">https://www.hotelvistahermosa.com.mx/</a>	15/6.1
Quinta del Gobernador	<a href="https://www.quintadelgobernador.com.mx/">https://www.quintadelgobernador.com.mx/</a>	15/12
Casa Colonial	<a href="https://casa-colonial-hotel-cuernavaca.booked.mx/">https://casa-colonial-hotel-cuernavaca.booked.mx/</a>	15/7.1
Orchidelirium	<a href="http://orchidelirium.com.mx/">http://orchidelirium.com.mx/</a>	16/14.5
Misión Grand	<a href="https://www.hotelesmision.com.mx/destinos/morelos/hotel-mision-grand-cuernavaca/">https://www.hotelesmision.com.mx/destinos/morelos/hotel-mision-grand-cuernavaca/</a>	17/15
Holliday Inn	<a href="https://hic.com.mx/">https://hic.com.mx/</a>	19/7.9

**Preconference courses: 2<sup>nd</sup> & 3<sup>rd</sup> October, 2021**

1. Environmental Education
2. Statistics & Environment

More information about the preconference courses will be published shortly.

**Cuernavaca City Tours, Morelos, México:**

Information about local Cuernavaca City Tours and its surround places are available in the following webpages:

<https://www.visitmexico.com/en/morelos/cuernavaca>

<https://en.travelbymexico.com/cuernavaca/places-to-visit/>

### **Abbreviations of Institutes (IPN)**

**CBG:** Center for Genomic Biotechnology; **CIEMAD:** Center for Interdisciplinary Studies on Environment and Development; **CEPROBI:** Center for Development of Biotic Products; **CIIDIR:** Interdisciplinary Research Center for Integral Development; **ENCB:** National School of Biological Sciences; **ESEO:** School of Nursing and Obstetrics; **ESIA:** School of Engineering and Architecture; **UPIBI:** Professional Interdisciplinary Unit of Biotechnology; **UPIICSA:** Professional Interdisciplinary Unit of Engineering, Social and Administrative Sciences

\*\*\*\*\*