



17th INTERNATIONAL SCIENTIFIC CONGRESS

For a healthy life

Plaza América Convention and Trade Center

June 24-28, 2025

PROGRAM



17th INTERNATIONAL SCIENTIFIC CONGRESS

For a healthy life

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WELCOME MESSAGE

Dear participants:

The National Center for Scientific Research celebrates the 17th edition of the International Scientific Congress organized by the National Center for Scientific Research “CNIC 2025”, to be held from June 24 to 28, 2025 at the Plaza América Convention and Trade Center, Varadero, Cuba.

With the slogan “For a healthy life”, the program of the event includes five symposia:

- ✓ *2nd International Symposium on Natural Products CNICPronat 2025*
- ✓ *VIII International Symposium on Environment SIMA 2025*
- ✓ *V Symposium on Infectious Diseases and Vaccines,*
- ✓ *8th International Symposium on Ozone Applications,*
- ✓ *1st International Symposium on Industrial Manufacturing of Natural Products and Regulatory Affairs.*

In the next days, colleagues from different places of the world will share their experiences and more relevant results. We are glad since we have received more than 200 scientific contributions as Lectures, oral and poster presentations, as well as business sessions.

This event will be an excellent opportunity to commemorate the 60th anniversary of our institution, surrounded by the famous Cuban hospitality and enjoying one of the most beautiful beaches in the world, Varadero.

It is an honor for us to have your presence on such important occasion with the certainty that this new edition will help establish or strengthen ties of cooperation between specialists and researchers.

Welcome!

Organizing Committee

June 24th, 2025



17th INTERNATIONAL SCIENTIFIC CONGRESS

For a healthy life

ORGANIZING COMMITTEE

President of honor: Mayda Maury Pérez, PhD

President: Julio Alfonso Rubí, PhD

Organizing Secretary: Talena Ledón Pérez, PhD

Scientific Secretary: Sarahí Mendoza Castaño, PhD

Scientific Committee Executive Secretaries:

Sandra Rodríguez Salgueiro, PhD

Cecilia S. Valdés Clemente, PhD

Business Session: Rafael Gámez Menéndez, PhD

Technical Support and Logistic: Ariel Tarifa Amaya, MSc

Treasurer: Niurka Llanes Sánchez, Bs

Social network and communication: Elena Martínez Rodríguez, Bs

Professional Turoperator: Reinier Arredondo Despaigne

PRESIDENTS OF SYMPOSIA

2nd International Symposium on Natural Products CNICPronat 2025: Vivian Molina Cuevas, PhD

VIII International Symposium on Environment: Eliet Véliz Lorenzo, PhD

8th International Symposium on Ozone Applications: Zullyt Zamora Rodríguez, PhD

V International Symposium on Infectious Diseases and Vaccines: Karen Marrero Domínguez, PhD

1st International Symposium on Industrial Manufacturing of Natural Products and Regulatory Affairs: Yohani Pérez Guerra, PhD, Oscar Ledea Lozano, PhD

GENERAL INFORMATION

Venue

Plaza América Convention and Trade Center will be the venue of this Congress, where in Scientific activities will take place.

Opening ceremony, Bilateral meetings, as well as Welcome cocktail and other social activities will take place at *Iberostar Selection Varadero Hotel*.

Transfer

June 25-27:

08:15 Transfer from Iberostar Selection Hotel to Plaza América Convention and Trade Center

14:00 Transfer from Plaza América Convention and Trade Center to Iberostar Selection Varadero Hotel

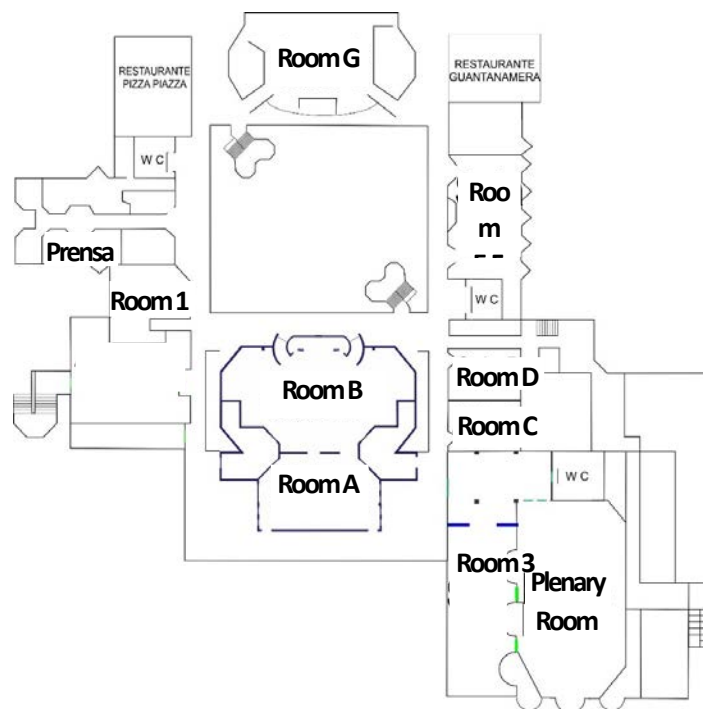
15:00-17:00 Bilateral meetings at Iberostar Selection Varadero Hotel

Organizing Committee Rooms

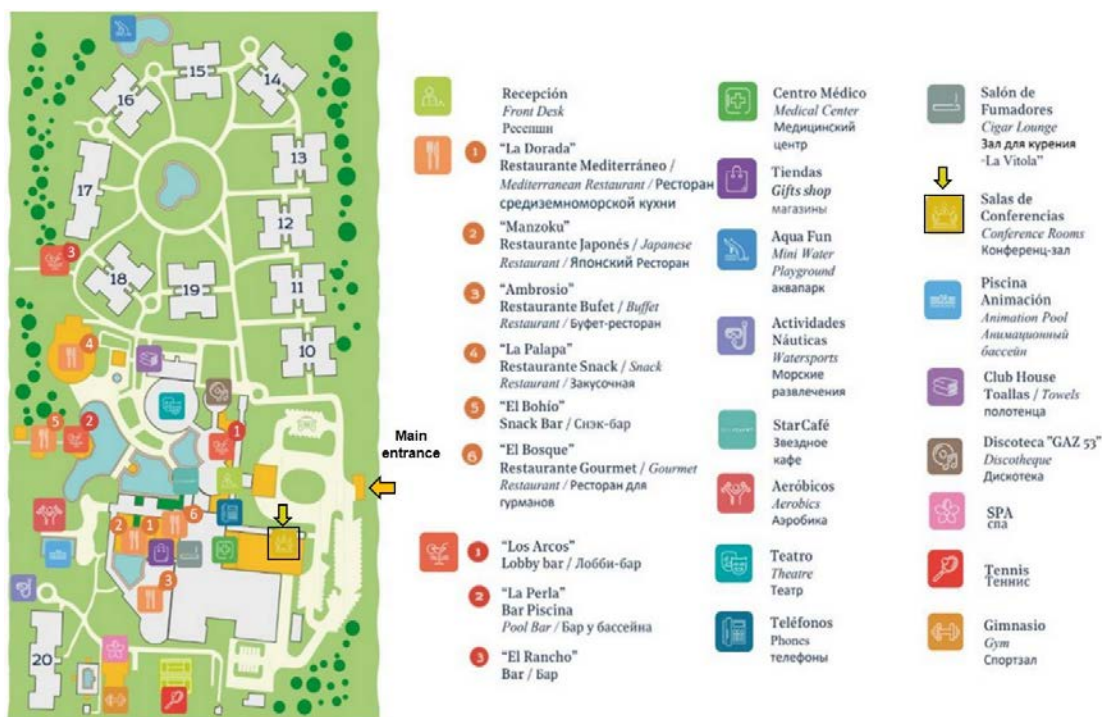
Plaza América Convention and Trade Center: Room 1

Iberostar Selection Varadero Hotel: Next to the Conference Area.

Plaza América Convention and Trade Center sitemap



Iberostar Selection Varadero Hotel Sitemap



17th International Scientific Congress CNIC 2025			
Date	Schedule	Activity	Iberostar Selection Hotel
June 24	15:00-17:00	Registration	Conference Area-Individual Room
	20:00-21:30	Opening Ceremony	Conference Area
Date	Schedule	Activity	Plaza América
June 25	09:00-13:50	CNICPronat 2025: 2nd International Symposium on Natural Products	Room G
		SIMA 2025: VIII International Symposium on Environment	Room E-F
		V International Symposium on Infectious Diseases and Vaccines	Room D
		8th International Symposium on Ozone Applications	Room B
		1st International Symposium on Industrial Manufacturing of Natural Products and Regulatory Affairs	Room C
		Business session	Room 3
June 26	09:00-13:50	CNICPronat 2025: 2nd International Symposium on Natural Products	Room G
		SIMA 2025: VIII International Symposium on Environment	Room E-F
		V International Symposium on Infectious Diseases and Vaccines	Room D
		Ozone Applications and Agriculture	Room B
		1st International Symposium on Industrial Manufacturing of Natural Products and Regulatory Affairs	Room C
		Workshop: Evaluation of technologies for the extraction of natural products with organic solvents for use in the pharmaceutical, food and cosmetic industries. UNDP Pérez-Guerrero Fund	Room Prensa
		Business session	Room 3
June 27	09:00-11:00	CNICPronat 2025: 2nd International Symposium on Natural Products	Room G
		SIMA 2025: Sustainable Environment Poster session	Room E-F
		SIMA 2025: Deterioration and Durability of Materials Poster session	Room Prensa
		V International Symposium on Infectious Diseases and Vaccines	Room D
		8th International Symposium on Ozone Applications	Room B
		1st International Symposium on Industrial Manufacturing of Natural Products and Regulatory Affairs	Room C
		Business session	Room 3
	11:20-13:50	Presentation of the book: The best option. Mr. Lee (Korea) Closing Ceremony	Plenary Room

GENERAL PROGRAM

Schedule	Tuesday 24	Wednesday 25, Thursday 26 and Friday 27				Saturday 28
9:00- 10:00	Check-In Registration	Keynote Lectures		Business session		Exchange among Delegates
10:00-11:00		Scientific Presentations				
11:00-11:20		Coffee break				
11:20-13:50		Scientific Presentations	Business session	Presentation of the book: The best option. Mr. Lee (Korea)		Check-Out
				Closing Ceremony		
14:00-15:00		Lunch				
20:00-21:30	Opening Ceremony	15:00-17:00	Bilateral Meetings	21:00	Closing Cocktail	

WEDNESDAY JUNE 25

JUNE 25 SCIENTIFIC PROGRAM

Symposia	CNICPronat 2025	SIMA 2025	Infectious Diseases and Vaccines	Ozone Applications	Industrial Manufacturing and Regulatory Affairs
Schedule					
9:00- 10:00	Keynote Lectures	Keynote Lectures	Keynote Lectures	Keynote Lectures	Keynote Lectures
10:00-11:00	Oral presentations	Oral presentations	Oral presentations	Oral presentations	Oral presentations
11:00-11:20	Coffee break				
11:20-13:50	Oral presentations	Oral presentations	Oral presentations	Oral presentations	Oral presentations
14:00-15:00	Lunch				
15:00-17:00	Bilateral meetings				

Symposia:

CNICPronat 2025: 2nd International Symposium on Natural Products

SIMA 2025: VIII International Symposium on Environment

V International Symposium on Infectious Diseases and Vaccines

8th International Symposium on Ozone Applications

1st International Symposium on Industrial Manufacturing of Natural Products and Regulatory Affairs

Business Session

WEDNESDAY JUNE 25

CONFERENCE ROOM G

CNICPRONAT 2025

ORAL PRESENTATION PROGRAM

Chair: Vivian Molina Cuevas, PhD.

Schedule		Code/Title	Author/Country
09:00	09:30	Lecture: PN01-The long and winding road from herbs to medicines.	Johan Perdomo Delgado, PhD. / Cuba
09:30	10:00	Lecture: PN02- Beeswax alcohol (Abexol) protected liver and brain axis via antioxidant and anti-inflammatory activities: the best lipid-soluble antioxidant to cell and membrane.	Kyung-Hyun Cho, PhD. / Korea
10:00	10:15	PN03- Bees Wax Alcohols (Abexol), an antioxidant and anti-inflammatory active ingredient, with protective effects on gastrointestinal tract.	Vivian Molina Cuevas, PhD. / Cuba
10:15	10:30	PN04- New chemical-pharmaceutical developments with purified extracts from beeswax (<i>Apis mellifera</i>).	Víctor González Canavaciolo, PhD. / Cuba
10:30	10:40	PN05- ABEXOL® suspension: gastroprotective and antioxidant.	Gisselle Breña Betancourt, BS. / Cuba
10:40	10:50	PN06- Comparative study of the efficacy and safety of Abexol (suspension versus tablets) in patients with gastrointestinal symptoms.	Yenney Reyes Núñez, MD. / Cuba
10:50	11:00	PN07- Repeated dose toxicity (90 days) of Sacha inchi oil in Sprague Dawley rats.	Ariadne Gutiérrez Martínez, PhD. / Cuba
11:00	11:20	Coffee Break	
11:20	11:35	PN08- Role of metabolizing systems and transporters in the natural products-drug interactions, its impact in the human health.	Idania Rodeiro Guerra, PhD. / Cuba
11:35	11:50	PN09- Comparative study of specialized metabolites in natural products extracted by NaDES systems.	Vanessa Mejía Puente, Ms. / Colombia
11:50	12:05	PN10- Chitosan nanoparticles for the encapsulation of a polyphenol-rich extract from <i>Bactris gasipaes</i> as raw material for cosmetic industry.	Yhors A. Ciro Monsalve, PhD. / Colombia
12:05	12:20	PN11- Evaluation of the antioxidant capacity of <i>Vaccinium Meridionale</i> Swartz extracts in cosmetic emulsions.	Johan S. Yandi Suárez, Mr. / Colombia
12:20	12:35	PN12- Preclinical mouse tumor models: Challenges and Perspectives at the Center of Molecular Immunology.	Addys González, PhD. / Cuba
12:35	12:45	PN13- Prevenox: therapeutic candidate with analgesic effects.	María Teresa Díaz Soto, PhD. / Cuba
12:45	13:00	General Discussion	

WEDNESDAY JUNE 25

POSTER PROGRAM

CONFERENCE ROOM G

Chair: Ambar Oyarzábal Yera, PhD.

Schedule		Code/Title	Author/Country
13:00	13:05	PN14- Utilization of <i>Pinus occidentalis</i> Swartz sawmill waste in the Dominican Republic: first physical and chemical characterization for food and medicinal purposes.	Lauro Nuevas Paz, PhD. / Dominican Republic
13:05	13:10	PN15- Chemical synthesis and purification by column chromatography of mangiferin-selenium coordination complexes.	Lauro Nuevas Paz, PhD. / Dominican Republic
13:10	13:15	PN16- Synthesis of indium, gallium and samarium diacetylcurcumin complexes and biological evaluation.	Rosario Tavera Hernández, PhD. / Mexico
13:15	13:20	PN17- Antioxidant characterization of an anti-aging facial cosmetic.	Gabriela Hernández Ariste, BS. / Cuba
13:20	13:25	PN18- Determination of the medium cytotoxic concentration of Apitoxin from Cuban <i>Apis mellifera</i>	Yaime Pino Ge, VMD. / Cuba
13:25	13:30	PN19- Inclusion complexes of β -cyclodextrin and diacetylcurcumin with Zn(II) and Mg(II) obtained through mechanochemistry: Structural characterization, solubility and effect on cytotoxic potential.	Leidys Pérez González, MSc. / Mexico
13:30	13:35	PN20- Essential aspects of protocol to conduct a clinical trial to nutritional supplement Deprexil®.	Pedro Pablo Guerra Chaviano, MSc. / Cuba
13:35	13:50	General Discussion	

WEDNESDAY JUNE 25

CONFERENCE ROOM E-F

SIMA 2025

ORAL PRESENTATION PROGRAM

Chair: Abel Castañeda Valdés, PhD.

Francisco E. Corvo Pérez, PhD.

Schedule		Code/Title	Author/Country
09:00	09:20	Lecture: MA01- Impact of climate change on the durability of materials.	Francisco Eduardo Corvo Pérez, PhD. / Mexico
09:20	09:40	Lecture: MA02- Environmental susceptibility and degradation of cultural heritage at the tropical rain forest of Mexico .	Javier Reyes Trujeque, PhD. / Mexico / Virtual
09:40	09:50	MA03- Study on atmospheric corrosion of different metal materials from China in the coastal tropical climate of Cuba.	Abel Castañeda Valdés, PhD. / Cuba
09:50	10:00	MA04- Prediction of burst pressure in ASTM A106 GR B steel pipes using traditional standards and the finite element method.	Juan Pablo Bohórquez Rico, MSc. / Mexico
10:00	10:10	MA05- Bioactive hydroxyapatite microwave synthesis: coatings on Ti6AL4.	Eduardo Peón Aves, PhD. / Cuba
10:10	10:20	MA06- Electrochemical noise for the monitoring of an A36 steel protected with an epoxy coating added with SiO ₂ nanoparticles.	José Arturo Ramírez Fernández, MSc. / Mexico
10:20	10:30	MA07- Accelerating corrosion test in the primary screening selection of steels to be used in high-parameter steam generators superheaters construction.	Abel Rivas Gutiérrez, BS. / Cuba
10:30	10:40	MA08- Atmospheric corrosion of metals in a rural-urban environment of Tabasco.	Osiris Angélica López Zapata, Eng. / Mexico
10:40	10:50	MA09- Atmospheric corrosion studies in Caribbean areas: First experience in Guadeloupe.	Cecilia S. Valdés Clemente, PhD. / Cuba
10:50	11:00	MA10- Electrochemical evaluation of theophylline as a corrosion inhibitor for API 5L X70 steel immersed in CO ₂ -saturated NaCl.	Aurea Carolina Rodríguez Hernández, MSc. / Mexico
11:00	11:20	Coffee Break	

WEDNESDAY JUNE 25

ORAL PRESENTATION PROGRAM

Chairs: Abel Castañeda Valdés, PhD.

Francisco E. Corvo Pérez, PhD.

CONFERENCE ROOM E-F

Schedule		Code/Title	Author/Country
11:20	11:40	Lecture: MA11- Plastic ageing under tropical climates.	Laurence ROMANA, PhD. / France
11:40	12:00	MA12- Ageing of a polymer composite based on carbon black from recycled tires.	Anny FLORY, PhD. / France
12:00	12:10	MA13- Evaluation of furanic derivatives as corrosion inhibitors in an industrial cooling system with freshwater recirculation.	Juan José Camejo Giniebra, PhD. / Cuba
12:10	12:20	MA14/Characterization of fresh and hardened state performance of mortars modified with coal fly ash.	Nelly Milagros Almonte, MSc. / Dominican Republic / Virtual
12:20	12:30	MA15/Petrographic characterization of concretes with replacement of coarse aggregates by slag waste product of the steel industry.	Carlos Lariot Sánchez, PhD. / Cuba
12:30	12:40	MA16/Weathering test on mortar for architectonical restoration elaborated with traditional and recycled materials.	Ruth González-Abarca, BS. / Mexico / Virtual
12:40	12:50	MA17/Analysis of the effect of microbial colonization and their integration on Sascab mortars.	Roger Abraham Vidal García, BS. / Mexico / Virtual
12:50	13:00	MA18/Multilayer technology, sustainable construction in tropical climates.	Fernando J. de Armas García, Eng. / Cuba
13:00	13:30	General Discussion	

WEDNESDAY JUNE 25

CONFERENCE ROOM D

INFECTIOUS DISEASES AND VACCINES

ORAL PRESENTATION PROGRAM

Chair: Karen Marrero Domínguez, PhD.

Session 1: HPV: Diagnostic, prevention and treatment

Schedule		Code/Title	Author/Country
09:00	09:30	Lecture: EI02- Impact of human papillomavirus infection in different risk groups of Cuban population.	Yudira Soto Brito, PhD. / Cuba
09:30	09:45	EI03- Evaluation of individual primer mixtures for the development of a system for the identification of high-risk genotypes of the human papillomavirus.	Yanin Mokdse Beltrán, BS. / Cuba
09:45	10:00	General Discussion	
10:15	10:30	EI04- Soluble production of Human Papillomavirus 16 L1 and 18 L1 proteins by <i>Escherichia coli</i> .	Elsa Pimienta Rodríguez, PhD. / Cuba
10:30	10:45	EI05- Purification of HPV 16- and HPV 18-L1 protein pentamers from <i>Escherichia coli</i> .	Alina Falero Morejón, MSc. / Cuba
10:45	11:00	General Discussion	
11:00	11:20	Coffee Break	

WEDNESDAY JUNE 25

ORAL PRESENTATION/POSTER PROGRAM

Chair: Karen Marrero Domínguez, PhD.

CONFERENCE ROOM D

Session 1: HPV: Diagnostic, prevention and treatment

Schedule		Code/Title	Author/Country
11:20	11:35	EI06- Characterization of <i>Escherichia coli</i> -produced Human Papillomavirus 16 and 18-L1-Virus Like Particles.	Karen Marrero Domínguez, PhD. / Cuba
11:35	11:50	EI07- Immunogenicity in mice of <i>Escherichia coli</i> -produced Human Papillomavirus 16 and 18-L1-Virus Like Particles.	Lourdes L. Proenza Alfonso, MSc. / Cuba
11:50	12:05	EI08- Generation and characterization of monoclonal antibodies directed against Virus Like Particles of Human Papilloma Virus 16- L1 protein. Analitical tools for liberation of a vaccine candidate against HPV-16.	Isi Veitia Coba, MSc. / Cuba
12:05	12:35	Lecture: EI09- Technical update on HPV vaccines and global lessons learned.	Paul Bloem, PhD. / Switzerland Virtual
12:35	12:50	General Discussion	
12:50	12:55	EI10- Preliminary stability studies of Human Papillomavirus 16-L1 pentamers purified from <i>Escherichia coli</i> for formulation purpose.	Roxana Leyva Brown, BS. / Cuba
12:55	13:00	EI11- Assembly of Human Papillomavirus 16 L1-virus like particles by tangential filtration.	Roxana Leyva Brown, BS. / Cuba
13:00	13:05	EI12- Stability of Human Papillomavirus 16 and 18-L1-virus like particles assembled from pentamers purified from <i>Escherichia coli</i> .	Julio C. Rodriguez González, MSc. / Cuba
13:05	13:10	EI13- Analysis of HPV-L1 protein production and solubility in <i>Escherichia coli</i> BL21(DE3).	Rosa Alina La O Reyes, BS. / Cuba
13:10	13:15	EI14- High Pressure homogenization of an <i>E. coli</i> BL21 (DE3) strain producer of HPV-18 L1 protein.	Lianny Pérez Sánchez, BS. / Cuba
13:15	13:20	EI15- Characterization of polyclonal antibodies directed against <i>E. coli</i> -produced HPV-16/18-L1-VLPs.	Eduardo Damián Mejías Franco, BS. / Cuba
13:20	13:35	General Discussion	

WEDNESDAY JUNE 25

CONFERENCE ROOM B

OZONE APPLICATIONS

ORAL PRESENTATION PROGRAM

Chairs: Zuliyt Zamora Rodríguez, PhD.

Margo Roman, VMD.

Schedule		Code/Title	Author/Country
09:00	09:10	Letter from Dr. Lale Yeprem, President of the World Federation of Ozone Therapy to recognize the Cuban protagonism in Ozonotherapy.	Zuliyt Zamora Rodríguez, PhD. / Cuba
09:10	09:40	Lecture: OZ01- Spectrum of Care. How this direction in Veterinary Medicine needs to be Inclusive in Integrative Medicine.	Margo Roman, VMD. / USA
09:40	10:00	OZ02- Veterinary Medical Ozone Therapy in Cancer Treatment.	Jyl Rubin, VMD. / USA
10:00	10:15	OZ03- Micro Biome Restorative Therapy MBRT: Fecal Transplant, the Importance of Poop.	Margo Roman, VMD. / USA
10:15	10:30	OZ04- Veterinary Medical Ozone Therapy with Acupuncture.	Jyl Rubin, VMD. / USA
10:30	10:40	OZ05- Ozone for wound management and control in trauma patients as an alternative to antibiotics.	Miguel Angel Servin, VMD. / Mexico
10:40	10:50	OZ06- Experiences of rectal Ozone therapy use in orthopedic affections. International Orthopedic Scientific Complex “Frank País”.	Joaquina Gómez Peire, MD. / Cuba
10:50	11:00	OZ07- Rectal Ozone therapy in active idiopathic ulcerative colitis. Gastroenterology Institute. 2022-2024.	Ricardo Cortés Salazar, MD. / Cuba
11:00	11:20	Coffee Break	
11:20	11:40	OZ08- Lecture: Pharmacological actions of OleoVET, which favor it as a choice in veterinary dermatology.	Zuliyt Zamora Rodríguez, PhD. / Cuba
11:40	11:55	OZ09- Study of cytological characteristics and microbiological culture of uterine fluid before and after ozone therapy in four thoroughbred Lusitano mares.	Vinicius Cuna, PhD. / Portugal / Virtual
11:55	12:10	OZ10- Ozonation-Induced Changes in Oils with Varying Degrees of Saturation.	Joaquin Salas Liñan, PhD. / Spain
12:10	12:25	OZ11- Chemical physical characterization of Ozonized sunflower oil/Oleozone /OleoVET-95.	Oscar E Ledea Lozano, PhD. / Cuba
12:25	12:40	OZ12- OleoVET-95 as treatment of Canine demodetic mange, Clinical trial.	Zuliyt Zamora Rodríguez, PhD. / Cuba
12:40	13:00	General Discussion	

WEDNESDAY JUNE 25

CONFERENCE ROOM B

POSTER PROGRAM

Chairs: Zuliyt Zamora Rodríguez, PhD.

Luis David Solis Murgas, PhD.

Schedule		Code/Title	Author/Country
13:00	13:05	OZ13- Ozone therapy in the treatment of open wounds of a llama (<i>Lama glama</i>) – Case report.	Luis David Solis Murgas, PhD. / Brazil
13:05	13:10	OZ14- OleoVet- 95 Formulation, natural acaridae, control reproduction in Rhipycephalus sanguineus and microplus.	Roxana Gómez Zaldivar, VMD. / Cuba
13:10	13:15	OZ15- Association of ozone therapy and laser therapy on dermatological lesions in a maned wolf (<i>Chrysocyon brachyurus</i>).	Luis David Solis Murgas, PhD. / Brazil
13:15	13:20	OZ16- OleoVET, control of Trichophytosis in calves.	Rosa Rómulo Pérez, MSc. / Cuba
13:20	13:25	OZ17- Ozone therapy associated with photobiomodulation therapy in lacerating wound healing: case report.	Luis David Solis Murgas, PhD. / Brazil
13:25	13:30	OZ18- Evaluation of the dermal repeated-dose toxicity (90 days) of ozonated sunflower oil in dogs cenp: Beag.	Axel Mancebo, PhD. / Cuba
13:30	13:35	OZ19- Evaluation of the effect of different disinfectant solutions on hemodialysis catheter-associated infections in HIV patients on chronic hemodialysis.	Angélica María Reyes Pérez, MD. / Cuba
13:35	13:40	OZ20- Proven benefits of ozone therapy in Dermatology.	Evelyn Anie González Pla, MD. / Cuba
13:40	13:50	General Discussion	

WEDNESDAY JUNE 25

CONFERENCE ROOM C

MANUFACTURING/REGULATORY AFFAIRS

ORAL PRESENTATION PROGRAM

Chair: Oscar Ledea Lozano, PhD.

Schedule		Code/Title	Author/Country
09:00	09:30	Lecture: PAR01- Sustainable production and compliance with good practices at BioCubaFarma.	Judith Sartorio Enríquez, MSc. / Cuba
09:30	09:35	Introduction of Roundtable with natural active ingredients and tablet manufacturers.	Oscar E. Ledea Lozano, PhD. / Cuba
09:35	09:45	PAR02- Tendency of quality parameters in the production of Policosanol and beeswax alcohols active ingredients at CNIC.	Yiselis Rodríguez Iglesias, BS. / Cuba
09:45	09:55	PAR03- Improvements Implemented In The CNIC is Active Ingredient Batch Manufacturing Protocol.	Tamara Bello Aleaga, Tec. / Niuvys Monterrey Pérez, BS. / Cuba
09:55	10:05	PAR04- MedSol 1 SolMed- Manufacturing of Policosanol tablets: changes and challenges.	Carmen Rosa Cruz, BS. and José Lizardo Lara, BS. / Cuba
10:05	10:15	PAR05- Performance of CNIC is Nutritional Supplement (Vasoactol, Prevenox, Abexol) Production Over the Past Five Years.	Niuvys Monterrey Pérez, BS. / Cuba
10:15	10:25	PAR06- First results on new Prevenox's AI in the CNIC's productions since a technological point of view.	Leonardo Herrera Cabrera, Mr. Yiselis Rodríguez Iglesias, BS. / Cuba
10:25	10:35	PAR07- MedSol 2 Novatec- Development of Prevenox Formulation and Coating.	Adalberto Izquierdo, BS. and Elizabeth Cutie Taquechel, BS. / Cuba
10:35	11:00	General Discussion: Expert debate with the presence of research, development, quality and production colleagues.	
11:00	11:20	Coffee Break	

WEDNESDAY JUNE 25

CONFERENCE ROOM C

ORAL PRESENTATION PROGRAM

Chair: Eduardo Rodríguez Verdura, Eng.

Schedule		Code/Title	Author/Country
11:20	11:40	Lecture: PAR08- Effective and selective methods for the extraction and isolation of bioactive natural products.	Eduardo Rodríguez Verdura, Eng. / Cuba
11:40	11:55	PAR09- Implementation of molecular distillation technology to obtain fatty acids from natural products.	Yanelys Mora Limonta, Eng. / Cuba
11:55	12:20	PAR10- Extraction of policosanol from sugar cane wax with Soxhlet technology.	Magela Pérez Hernández, BS. / Cuba
12:20	12:35	PAR11- Evaluation of a solar-electric hybrid dryer in the production of anamu capsules at the CNIC.	Tania Ortiz Boude, MSc. / Cuba
12:35	12:50	Lecture: PAR12- Natural products in soap making (IFAL).	Patricia Pérez, PhD. / Cuba Irela Pérez, PhD. / Cuba
12:50	13:05	PAR13- Improvement of the raw material sampling process Soap shavings based on the associated risks.	Yaisme Balcinde Quiñones, BS. / Cuba
13:05	13:15	PAR14- Ozonized soap: stability and process analysis.	Wendy Rodríguez Zuñiga, MSc. / Cuba
13:15	13:25	PAR15- Development of honey and moringa residue soap as a Natural exfoliant.	Sandra Milian Lamas, Eng. / Cuba
13:35	13:50	General Discussion	

WEDNESDAY JUNE 25

ROOM 3

BUSINESS SESSION

Business Opportunities and Strategies for Marketing Cuban Natural Products Abroad.

Schedule		Code/Title	Author/Country
09:00	09:20	BioCubaFarma main business models.	Norkis Arteaga Morales, Ms. / Cuba
09:25	09:45	Marketing Strategy Japan.	Kwiyeon Jeong, Ms. / Korea
09:50	10:10	Marketing Strategy Korea.	Sohyun Jun, Ms. / Korea
10:15	10:35	The Italian dietary supplement market: regulatory framework, segmentation, consumption dynamics and competitive development.	Giorgio Giorgietti, Mr. / Italy
10:40	11:00	Strategy for introducing Abexol to the Spanish market.	Carmen Gómez Linares, PhD. / Spain

JUNE 26 SCIENTIFIC PROGRAM

THURSDAY JUNE 26

S y m p o s i a	CNICPronat 2025 / Workshop: Extraction of Natural Products	SIMA 2025	Infectious Diseases and Vaccines	Ozone Applications and Agriculture	Industrial Manufacturing and Regulatory Affairs
S c h e d u l e					
9:00- 10:00	Keynote Lectures	Keynote Lectures	Keynote Lectures	Keynote Lectures	Keynote Lectures
10:00-11:00	Oral presentations	Oral presentations	Oral presentations	Oral presentations	Oral presentations
11:00-11:20	Coffee break				
11:20-13:50	Oral presentations	Oral presentations	Oral presentations	Oral presentations	Oral presentations
14:00-15:00	Lunch				
15:00-17:00	Bilateral meetings				

Symposia:

CNICPronat 2025: 2nd International Symposium on Natural Products

Workshop: Evaluation of technologies for the extraction of natural products with organic solvents for use in the pharmaceutical, food and cosmetic industries. UNDP Pérez-Guerrero Fund

SIMA 2025: VIII International Symposium on Environment

V International Symposium on Infectious Diseases and Vaccines

8th International Symposium on Ozone Applications

Session of Ozone Applications and Agriculture

1st International Symposium on Industrial Manufacturing of Natural Products and Regulatory Affairs

Business Session

THURSDAY JUNE 26

CNICPRONAT 2025

CONFERENCE ROOM G

ORAL PRESENTATION PROGRAM

Chair: Julio C. Fernández Travieso, PhD.

Schedule		Code/Title	Author/Country
09:00	09:30	Lecture: PN21- Enhancement of HDL Quantity and Quality by Cuban Policosanol (Raydel®) to treat hypertension and dyslipidemia: Comparison with Copycat and Sugarcane Extract Powder.	Kyung-Hyun Cho, PhD. / Korea
09:30	10:00	Lecture: PN22- Effects of policosanol on cognitive impairment in patients with ischemic stroke.	Javier Sánchez López, PhD. / Cuba
10:00	10:10	PN23- Policosanol (Sugarcane wax alcohols) 20 mg/day in Cuban pre-hypertensive or grade I hypertensive patients: a randomized, double-blind, multicentre study.	Yanay Fernandez Domínguez, BS. / Cuba
10:10	10:20	PN24- Characterization and stability study of active ingredient D-014, obtained from Cuban corajo (<i>Acrocomia crispera</i>).	Roxana Vicente Murillo, MSc. / Cuba
10:20	10:30	PN25- <i>Acrocomia crispera</i> extracts with antioxidant, anti-inflammatory and protective properties in experimental models of acute kidney injury and diabetes.	Ambar Oyarzabal Yera, PhD. / Cuba
10:30	10:40	PN26- Effects of <i>Acrocomia crispera</i> extracts on metabolic complications associated with redox imbalance in diabetes.	Laura Cabrera Hernández, BS. / Cuba
10:40	10:50	PN27- Protective effects of <i>Acrocomia crispera</i> fruit extract on pancreas histology in experimental diabetes.	Sandra Rodríguez Salgueiro, PhD. / Cuba
10:50	11:00	PN28- Effects of <i>Acrocomia crispera</i> fruit extract on renal morphofunctional changes in diabetic rats.	Lucía González Núñez, PhD. / Cuba
11:00	11:20	Coffee Break	

THURSDAY JUNE 26

ORAL PRESENTATION PROGRAM

CONFERENCE ROOM G

Chair: Julio C. Fernández Travieso, PhD.

Schedule		Code/Title	Author/Country
11:20	11:35	PN29- Evaluation of <i>Chlamydomonas reinhardtii</i> as a functional food.	HU Zhangfeng, PhD. / China
11:35	11:50	PN30- Evaluation of anti-aging properties of peptide extract obtained from enzymatically hydrolyzed Quinoa protein (<i>Chenopodium quinoa</i>).	José F Oñate Garzón, PhD. / Colombia
11:50	12:05	PN31- Recent developments in characterization and stability studies of new Vasoactol formulations.	Angel A Albóniga Hernández, BS. / Cuba
12:05	12:15	PN32- Results of the rodent quarantine in the vivarium of the Natural Products Center during the period 2023-2024.	Alain Yadir García Varona, VMD. / Cuba
12:15	12:25	PN33- Production of a recombinant endodextranase variant (r-tmdex49a- δ sp- δ n30) in <i>Komagataella phaffii</i> (<i>Pichia pastoris</i>) from sugarcane molasses.	Reinaldo Fraga Vidal, PhD. / Cuba
12:25	12:35	PN34- Recombinant dextranases to produce dextran and oligosaccharides from cane sugar.	Arianne Rubio, Ms. / Cuba
12:35	12:45	PN35- PALMEX®: A therapeutic option for management of lower urinary tract symptoms in men with Benign Prostatic Hyperplasia.	Julio C. Fernández Travieso, PhD. / Cuba
12:45	13:00	General Discussion	

THURSDAY JUNE 26

POSTER PROGRAM

CONFERENCE ROOM G

Chair: Roxana Vicente Murillo, MSc.

Schedule		Code/Title	Author/Country
13:00	13:05	PN36- Medicinal plants as natural repellents against mosquitoes.	Mayasil Morales Pérez, MD. / Cuba
13:05	13:10	PN37- Non-clinical toxicological tests in the evaluation of natural products at the National Center for Scientific Research.	Bárbara Luna Saucedo, MSc. / Cuba
13:10	13:15	PN38- Oral acute toxicity of a new <i>Acrocomia crispera</i> extract in rodents.	Ariadne Gutiérrez Martínez, PhD. / Cuba
13:15	13:20	PN39- Oral sub-chronic toxicity test (90 days) of <i>Thalassia testudinum</i> extract powder in rats CENP: SPRD.	Yana González Torres, MSc. / Cuba
13:20	13:25	PN40- Genotoxic evaluation of growth regulating substances intended for the agricultural sector.	Yesenia Rivero Salgado, MSc. / Cuba
13:25	13:30	PN41- Evaluation of the biological and drug-toxicological effect of il-2 mutein nafc in mice C57BL/6/cenp.	Axel Valdivia Córdova, BS. / Cuba
13:30	13:35	PN42- Integral analysis of histopathological changes in pancreas and kidneys of diabetic rats.	Penélope Daumy Zayas, Ms. / Cuba
13:35	13:40	PN43- Monitoring and quarantine results of NMRI and C57bl/6 mice housed in the vivarium of the Natural Products Center.	Edy Goicochea Carrero, Mr. / Cuba
13:40	13:45	PN44- Evaluation of physiological and behavioral parameters of Wistar rats during quarantine in the vivarium of the Natural Products Center.	Carlos A. Rodríguez Pujol, Mr. / Cuba
13:45	13:50	General Discussion	

THURSDAY JUNE 26

EXTRACTION OF NATURAL PRODUCTS

CONFERENCE ROOM PRENSA

WORKSHOP PROGRAM

Chair: Victor González Canavaciolo, PhD.

Workshop: Evaluation of technologies for the extraction of natural products with organic solvents for use in the pharmaceutical, food and cosmetic industries. UNDP Pérez-Guerrero Fund.			
Schedule		Code/Title	Author/Country
10:00	10:15	PN45- Optimizing policosanol yields: a cross-meta analysis of six main biorefining processes with uncertainty assessment and Ibero-American insights.	Rilton Primo, PhD. / Brazil
10:15	10:30	PN46- Study on the solubility of policosanol in organic solvents.	Evelyn Faife Pérez, PhD. / Cuba
10:30	10:45	PN47- Techno-economic analysis of alternatives to improve the cuban sugarcane wax refining technology using superpro designer.	Eduardo Hernández Ramos, Eng. / Cuba
10:45	11:00	PN48- Environmental impacts of sugarcane wax biorrefining via Swenson process: a life cycle perspective with regional analysis and solvent choice.	Manuel Díaz de los Ríos, PhD. / Cuba
11:00	11:20	Coffee Break	
11:20	11:35	PN49- Green extraction of citrus residues: characterization and valorization for bio-based markets.	Ana Lucia Barbosa de Souza, PhD. / Brazil
11:35	11:50	PN50- Supercritical CO ₂ Extraction of <i>Schinus terebinthifolius</i> . Process Optimization and Bioindustrial potential.	Ana Lucia Barbosa de Souza, PhD. / Brazil
11:50	12:05	PN51- Single cell protein production from lignocellulosic WASTES: an experimental model approach.	María G Aguilar-Uscanga, PhD. / Mexico / Virtual
12:05	12:20	PN52- New plant cell culture platform for vinblastine and vincristine production.	María G Aguilar-Uscanga, PhD. / Mexico / Virtual
12:20	12:35	PN53- Xylitol production by native microorganisms from lignocellulosic residues.	María G Aguilar-Uscanga, PhD. / Mexico / Virtual
12:35	12:50	PN54- New advances in policosanol research.	Víctor González Canavaciolo, PhD. / Cuba
12:50	13:00	General Discussion	

THURSDAY JUNE 26

CONFERENCE ROOM E-F

SIMA 2025

ORAL PRESENTATION PROGRAM

Chairs: Eliet Veliz Lorenzo, PhD.

José Trimiño Romero, MSc.

Schedule		Code/Title	Author/Country
09:00	09:20	Lecture: MA19- Design of wastewater treatment plants integrating circular economy principles.	Robert Hausler, PhD. / Canada
09:20	09:40	Lecture: MA20- Reuse of purified wastewater from urban wastewater plants as an alternative of draught and water scarcity.	Mohamed Tahiri, PhD. / Morocco
09:40	09:50	MA21- Development of a biosurfactant-modified layered double hydroxide for carbaryl adsorption from water.	Mariana Acosta López, MSc. / Canada
09:50	10:00	MA22- Ozone generation by vacuum ultraviolet radiation ($\lambda = 172$ nm) in a context of decentralized drinking water production.	Étienne Bérubé, MSc. / Canada
10:00	10:10	MA23- Ozone bleaching of cellulosic fibres. Experience with towels.	Mayra Bataller Venta, PhD. / Cuba
10:10	10:20	MA24- Development of domestic ozonators equipment for water disinfection.	Eliet Veliz Lorenzo, PhD. / Cuba
10:20	10:30	MA25- Removal of different pollutants from water using hydrogels based on sodium alginate and polyacrylamide.	Jomarien Garcia Couse, PhD. / Cuba
10:30	10:40	MA26- Photodegradation of pollutants in water using Fe_3O_4 nanoparticles supported on biopolymers.	Frida Valenzuela Lara, MSc. / Mexico
10:40	10:50	MA27- Characterization of biofilm-forming <i>Escherichia coli</i> isolated from Havana rivers and their relationship with antimicrobial resistance and phylogroup.	Beatriz Romeu Álvarez, PhD. / Cuba
10:50	11:00	MA28- Sustainable groundwater management: case of the Sinaloa River aquifer.	Xiomara Vianey Moreno Nuñez, MSc. / Mexico
11:00	11:20	Coffee Break	

THURSDAY JUNE 26

ORAL PROGRAM

Chair: Eliet Veliz Lorenzo, PhD.

José Trimiño Romero, Msc.

CONFERENCE ROOM E-F

Schedule		Code/Title	Author/Country
11:20	11:40	Lecture: MA29- Sustainability 4.0: merge international standards and Cuban policies with the digital revolution.	Ángela Estela Sosa Espinosa, PhD. / Cuba
11:40	12:00	Lecture: MA30- Functionalization of technical textile fibers wastes and application in industrial wastewater treatment.	Mohamed Tahiri, PhD. / Morocco
12:00	12:20	Lecture: MA61- Organic Solar Cells: A Renewable Green Energy for Sustainable World.	Yang Renqiang, PhD. / China
12:20	12:30	MA31- Integrating renewable energy into the energy matrix of the National Center for Scientific Research (CNIC).	Alain González Díaz, Eng. / Cuba
12:30	12:40	MA32- Development of a method for the recovery of solid waste generated during the soft capsule production process.	Yadira Carmentate Botino, Eng. / Cuba
12:40	12:50	MA33- Adsorption of heavy metals from aqueous solutions using bacterial biomass-based adsorbents: An insight into kinetics and optimization studies.	Claudia Jiménez Barrios, BS. / Cuba
12:50	13:00	MA34- Microplastics in Cuban freshwaters: Diversity, temporal changes, and effects on extracellular enzymatic activity.	Jeny Adina Larrea Murrell, PhD. / Cuba
13:00	13:30	General Discussion	

THURSDAY JUNE 26

CONFERENCE ROOM D

INFECTIOUS DISEASES AND VACCINES

ORAL PRESENTATION PROGRAM

Chairs: Gerardo Guillén, PhD, Dagmar García, PhD.

Session 2: Development of Bacterial and viral vaccines and diagnostic

Schedule		Code/Title	Author/Country
09:00	09:25	Lecture: EI16- New insights on mucosal immunization for immunocompromised individuals.	Gerardo Guillén Nieto, PhD. / Cuba
09:25	09:50	Lecture: EI17- Conjugate vaccines for improving the immune response in children: the Cuban experience.	Dagmar García Rivera, PhD. / Cuba
09:50	10:05	EI18- Covid-19 vaccine update strategy based on the dimeric RBD subunit platform.	Yanet Climent Ruiz, PhD. / Cuba
10:05	10:20	EI19- Mambisa non-clinical program: nasal vaccine for SARS-COV-2 preventive use.	Lizet Aldana Velazco, PhD. / Cuba
10:20	10:35	EI20- Abdala/Mambisa prime-boost schedules: non-clinical evidences of functional antiviral response.	Ingrid Rodríguez Alonso, MSc. / Cuba
10:35	10:50	EI21- Immunological evaluation in African green monkeys of two nasal vaccine candidates to induce a broader immunity against coronavirus.	Edith Suzarte Portal, PhD. / Cuba
10:50	11:00	General Discussion	
11:00	11:20	Coffee Break	
11:20	11:35	EI22- A synthetic oligosaccharide conjugate pertussis vaccine candidate against nasopharyngeal colonization.	Sonsire Fernández Castillo, PhD. / Cuba
11:35	11:50	EI23- Immunogenicity and protective capacity in mice of a ZIKA vaccine candidate based on a recombinant subunit.	Iris Valdés Prado, PhD. / Cuba
11:50	12:00	General Discussion	
12:00	12:15	EI24- The natural products Curmeric® in respiratory diseases.	Tania Valdés González, PhD. / Cuba
12:15	12:30	EI25- Evaluation of antiviral activity and immune and lipid modulatory effects of Curmeric®-oral solution, against dengue 2 virus <i>in vitro</i> .	Beatriz Sierra Vázquez, PhD. / Cuba
12:30	12:45	EI26- Observational study of the effect of Curmeric nasal drops on the clinical improvement of subjects with suspected Oropouche Fever in Santiago de Cuba.	Yusmel Jaqueman Dussac, PhD. / Cuba
12:45	13:00	EI27- <i>In vitro</i> antioxidant effect of Curmeric® in thp-1 lines infected with dengue-2 virus.	Lizette Gil del Valle, PhD. / Cuba
13:00	13:15	General Discussion	
13:15	13:30	EI28- Diramic-12 system. update and use in antimicrobial resistance surveillance.	Nardo Ramírez Frómeta, PhD. / Cuba
13:30	13:40	General Discussion	

THURSDAY JUNE 26

CONFERENCE ROOM B

OZONE APPLICATIONS AND AGRICULTURE

ORAL PRESENTATION PROGRAM

Chairs: Zuliyt Zamora Rodríguez, PhD., Frederic Violleau, PhD.

Schedule		Code/Title	Author/Country
09:00	09:20	Lecture: OZ21- Ozone Applications in Agriculture and Food Processing: From Farm to Fork.	Frederic Violleau, PhD. / France
09:20	09:40	Lecture: OZ22- Post-Harvest Ozone Treatment to Improve Fruits Preservation.	Cyndel Berger, PhD. / France
09:40	09:55	OZ23- Ozonated Oils as an Innovative Approach to Control Grapevine and Apple Tree Pathogens.	Frederic Violleau, PhD. / France
09:55	10:10	OZ24- The ozone molecule at the service of the grapevine: from the nursery to the vineyard.	Cyndel Berger, PhD. / France
10:10	10:25	MA35- Antagonism of Bacillus strains against phytopathogenic fungi of cereals.	Marcia M. Rojas Badía, PhD. / Cuba
10:25	10:40	MA36- Triacontanol and triacontanol-containing additive “InnoWax” as plant growth stimulators: applications to microgreens and open-field plant cultivation.	Azat Abdullatypov, Mr. / Russian Federation
10:40	10:55	MA37- Effect of ozone treatments on germination and disinfection of Sacha Inchi (<i>Plukenetia Volubilis L.</i>) seeds.	Mayra Bataller Venta, PhD. / Cuba
11:00	11:20	Coffee Break	
11:20	11:35	MA38- Regenerative techniques application to reduce the use of pre-emergent herbicides in initial plantings.	Gerardo González Oramas, PhD. / Mexico / Virtual
11:35	11:50	MA39- Ancestral plants in amazon environment, useful for food and health.	Manuel Pérez Quintana, PhD. / Ecuador / Virtual
11:50	12:05	MA40- Analysis of water use in leguminous crops production and post-harvest handling at Luvhada irrigation scheme, Limpopo, South Africa.	Marizvikuru Manjoro, PhD. / South Africa
12:05	12:20	MA41- Major factors influencing water security for vegetable crop farming within the Nwanedi irrigation scheme of Limpopo Province.	Jethro.Zuwarimwe, PhD. / South Africa
12:20	12:35	MA42- NEREA® Technology: Eco-friendly fertilizers for modern agriculture.	Beatriz Concepción Rosabal, PhD. / Cuba
11:35	12:50	MA43- Microscopic evidence of the modification of the roots of <i>Euruca sativa</i> Mill (arugula) induced by the ecological fertilizer NEREA®.	Odelsa Ancheta Niebla, PhD. / Cuba
12:50	13:20	General Discussion	

THURSDAY JUNE 26

CONFERENCE ROOM C

MANUFACTURING/REGULATORY AFFAIRS

ORAL PRESENTATION PROGRAM

Chair: Yohani Pérez Guerra, PhD.

Schedule		Code/Title	Author/Country
09:00	09:30	Lecture: PAR16- Regulatory Framework and Good Manufacturing Practices for Natural Products.	Niovis Ceballos Rodríguez, MSc. / Cuba
09:30	09:45	PAR17- Current regulatory trends in the Cuban biotechnology industry.	Isabel Apezteguía Rodríguez, PhD. / Cuba
09:45	10:00	PAR18- Regulatory synergies: Promoting biomedical and veterinary biotechnology in Cuba.	Olga Rosa Rodríguez Bell, BS. / Cuba
10:00	10:15	PAR19- Importance of the improvement of the CNIC's metrological assurance laboratory for its production processes.	Martha Elena González Concepción, MSc. / Cuba
10:15	10:30	PAR20- Validation of the purification, storage and distribution process of purified water in the National Center for Scientific Research.	Regla de la C. Gómez Perdomo MSc. / Cuba
10:30	10:45	PAR21- Results of the implementation of the biological risk management system at the Scientific Research Center of the Civil Defense.	Tamara Hernández Sánchez, MSc. / Cuba
10:45	11:00	General Discussion	
11:00	11:20	Coffee break	
11:20	11:40	Lecture: PAR22- Integrated quality management system, environment and the hazard analysis system and critical control points in the company CNIC- Biocubafarma.	Yohani Pérez Guerra, PhD. / Cuba
11:40	11:55	PAR23- Efficacy of the Integrated Management System at National Center for Scientific Research.	Yadiana León Hernández, MSc. / Cuba
11:55	12:10	PAR24- Environmental impact assessment of the effects of climate change on the CNIC. ISO 9001:2015 requirement.	José A. Trimiño Romero, MSc. / Cuba
12:10	12:25	PAR25- Hazard analysis and critical control points (HACCP). Implementation in the manufacturing of nutritional supplements.	Rosabel Fernández Ruiz, BS. / Cuba
12:25	12:40	PAR26- Implementation of the hazard analysis and critical control points (HACCP) system at the soft capsule finished product production plant.	Grether Barreras García, MSc. / Cuba
12:40	12:55	PAR27- Integration of the Pharmacovigilance System into the Integrated Management System of the National Center for Scientific Research (CNIC).	Violeta Frías Mojena, BS. / Cuba
12:55	13:10	General Discussion	

THURSDAY JUNE 26

ROOM 3

BUSINESS SESSION

Business Opportunities with Foreign Companies

Schedule		Code/Title	Author/Country
09:00	09:30	Four Ps of marketing for CNIC natural products.	Ivonne Fernández, PhD. / Cuba
09:35	09:55	Natural products with medical use. Future commercialization.	Santa Deibi Horta, PhD. / Cuba
10:00	10:20	PALMEX - a business opportunity.	Gisel Ramos Muñiz, MSc. / Cuba
10:25	10:45	Investment opportunity for a pharmaceutical cream production plant.	Iván Castillo Batista, BS. / Cuba
11:00	11:20	Coffee break	
11:20	11:50	BKLYD, una ventana al mercado coreano / BKLYD, a window to the Korean market.	B. K. Lee, Mr. / Korea Rafael Gámez Menéndez, PhD. / Cuba

JUNE 27 SCIENTIFIC PROGRAM

FRIDAY JUNE 27

Symposia	CNICPronat 2025	SIMA 2025	Infectious Diseases and Vaccines	Ozone Applications	Industrial Manufacturing and Regulatory Affairs
Schedule					
9:00- 10:00	Keynote Lectures	Keynote Lectures	Keynote Lectures	Keynote Lectures	Keynote Lectures
10:00-11:00	Oral presentations	Oral presentations	Oral presentations	Oral presentations	Oral presentations
11:00-11:20	Coffee break				
11:20-13:50	Presentation of the book: The best option. Mr. Lee (Korea)				
	Closing Ceremony				
14:00-15:00	Lunch				
15:00-17:00	Bilateral meetings				

Symposia:

CNICPronat 2025: 2nd International Symposium on Natural Products

SIMA 2025: VIII International Symposium on Environment

V International Symposium on Infectious Diseases and Vaccines

8th International Symposium on Ozone Applications

1st International Symposium on Industrial Manufacturing of Natural Products and Regulatory Affairs

Business Session

FRIDAY JUNE 27

CONFERENCE ROOM G

CNICPRONAT 2025

ORAL PRESENTATION PROGRAM

Chair: Vivian Molina Cuevas, PhD.

Schedule		Code/Title	Author/Country
09:00	09:30	Lecture: PN55- The production of natural cosmetics and dietary supplement based on the principle of symbiotic economy.	Henry Joseph, PhD. / France Virtual
09:30	10:00	Lecture: PN57- Combination anti-cancer therapy with natural products and inorganic pharmaceuticals: A new development against triple negative breast cancer.	Alvin Holder, PhD. / USA Virtual
10:00	10:15	PN58- Uncovering the Biosynthetic Pathway of Coriolic Acid Through Transcriptomic and Molecular Approaches.	Mónica Venegas, PhD. / Spain
10:15	10:30	PN59- Regulatory Strategy for traditional and complementary medicine development. A view from Cuba.	Diadelis Remírez Figueredo, PhD. / Cuba
10:30	10:45	PN60- FOS nutritional supplement enhances growth and immune system in <i>Tilapia larvae</i> (<i>Oreochromis Niloticus</i>).	Rebeca Martínez Rodríguez, PhD. / Cuba
10:45	11:00	General Discussion	
11:00	11:20	Coffee Break	

FRIDAY JUNE 27

SIMA 2025

CONFERENCE ROOM PRENSA

POSTER PROGRAM

Chairs: Cecilia S. Valdés Clemente, PhD.

Juan José Camejo Giniebra, PhD.

Deterioration and Durability of Materials / Poster Session

Schedule		Code/Title	Author/Country
09:00	09:05	MA44- Tradescantia Spathacea as corrosion inhibitor in acid and alkaline media.	Ebelia Del Ángel Mraz, PhD. / Mexico
09:05	09:10	MA45- Inhibition efficiencies for corrosion control with plant extracts in acidic media.	Ebelia Del Ángel Meraz, PhD. / Mexico
09:10	09:15	MA46- Image processing to improve the identification of defects in paints: case of white epoxy paints exposed near polymeric.	Zenaida Usagawa Ramos, MSc. /Cuba
09:15	09:20	MA47-Environmental noise levels in the main streets and spaces of the city of Cienfuegos.	Zenaida Usagawa Ramos, MSc. /Cuba
09:20	09:25	MA48- Atmospheric corrosion study in oil drilling and extraction company center of Matanzas province.	Abel Castañeda Valdés, PhD. /Cuba
09:25	09:30	MA49- Structural stability of low-cost zeolites used as catalysts for hydrogenation of succinic acid	Arbelio Pentón Madrigal, PhD. /Cuba
09:30	09:35	MA50- Healthy housing strategy: challenges and dilemmas in the province of Buenos Aires, Argentina.	Gabriela L. Orero, Arch. / Argentina
09:35	09:40	MA51- Water culture and access to drinking water: an interdisciplinary extension experience.	Gabriela L. Orero, Arch. / Argentina
09:40	10:10	General Discussion	
11:00	11:20	Coffee Break	

FRIDAY JUNE 27

POSTER PROGRAM

Chairs: Mayra Bataller Venta, PhD.

Jomarien García Couse, PhD.

CONFERENCE ROOM E-F

Sustainable Environment / Poster Session

Schedule		Code/Title	Author/Country
09:00	09:05	MA52- Susceptibility to antibiotics in bacteria isolated from the Almendares River, Havana.	Armando Manuel Martínez Sardiña, MSc. / Cuba
09:05	09:10	MA53- OleoVET environmental impact assessment at the National Center for Scientific Research.	José Trimiño Romero, MSc. / Cuba
09:10	09:15	MA54- Evaluation of the behavior of wastewater discharges from CNIC Company.	Oiris Veranes Deliz, MSc. / Cuba
09:15	09:20	MA55- Integration of Environmental Management into the Quality Management System of the Center for Molecular Immunology.	Liudmila Montes de Santis, MSc. / Cuba
09:20	09:25	MA56- Pathogenic fungi present in the air in two wheat crops: <i>Alternaria</i> , <i>Curvularia</i> and <i>Fusarium</i> .	Reynier Cruz Santana, BS. / Cuba
09:25	09:30	MA57- Methodology for assessing progress in the circular economy. Sustainability strategy at CNIC.	Idania Hurtado Mola, MSc. / Cuba
09:30	09:35	MA58- Microplastics in aquatic ecosystems: research perspectives from environmental microbiology.	Irina Salgado Bernal, PhD. / Cuba
09:35	09:40	MA59- Obtained new formulation of liquid waste from production processes.	Jany Vázquez Fiallo, BS. / Cuba
09:40	09:45	MA60- Development of a release agent from semi-solid waste from the production of Abexol and Policosanol.	Claudia Reyes Romero, BS. / Cuba
09:45	10:15	General Discussion	
11:00	11:20	Coffee Break	

FRIDAY JUNE 27

CONFERENCE ROOM D

INFECTIOUS DISEASES AND VACCINES

ORAL PRESENTATION PROGRAM

Chair: Karen Marrero Domínguez, PhD.

Session 3: Searching for anti-infectiuos agents

Schedule		Code/Title	Author/Country
09:00	09:30	Lecture: EI29- Electron Microscopy as a tool to identify organelle targets for antiparasitic compounds.	Wanderley de Souza, PhD. / Brazil
09:30	10:00	Lecture: EI30- Trichomonas vaginalis: Trichomoniasis, its damage, and new drugs for chemotherapy.	Marlene Benchimol, PhD. / Brazil
10:00	10:15	EI31- Evaluation of Metal-Complexed Benznidazole and Fexinidazole for Efficacy and Selectivity against <i>Trypanosoma cruzi</i> .	Aline Zuma, PhD. / Brazil
10:15	10:30	EI32- In vitro Effects of LDT10 and LDT119 on <i>Trypanosoma cruzi</i> .	Wanderley de Souza, PhD. / Brazil
10:30	11:00	General Discussion	
11:00	11:20	Coffee Break	

FRIDAY JUNE 27

CONFERENCE ROOM B

OZONE APPLICATIONS

ORAL PRESENTATION PROGRAM

Chairs: Evelyn Anie González Pla, MD.

Schedule		Code/Title	Author/Country
09:00	09:15	OZ33- Application of intrauterine gaseous ozone for the treatment of bacterial infection in the mares.	Andrea Marchegiani, PhD / Italy / Virtual
09:15	09:35	Lecture: OZ25- Clinical trials with Ozone therapy in positive, persistent and convalescents of COVID-19 patients.	Zullyt Zamora Rodríguez, PhD. / Cuba
09:35	09:55	Lecture: OZ26- Ozone therapy combined with stem cells in patients with rheumatoid arthritis.	José Luis Calunga, PhD. / Mexico / Virtual
09:55	10:05	OZ27- Clinical-epidemiological characterization and pharmacovigilance in the ozone therapy clinic of “Dr. Antonio Luaces Iraola” hospital.	Neisy Oropesa Nerey, MD. / Cuba
10:05	10:15	OZ28- Benefits of ozone therapy in Odontology, Cuban’s experiences.	Judith Martinez Abreu, DDS. / Cuba
10:15	10:25	OZ29- Reporting behavior of ozone therapy uses in Cuba.	Maura Iris Pérez Recio, MD. / Cuba
10:25	10:35	OZ30- Efficacy of topical Oleozon®, ketoconazole and terbinafine in patients with epidermophytosis.	Evelyn Anie González Pla, MD. / Cuba
10:35	10:45	OZ31- Effect and safety evaluation of ozone therapy combined with antiretrovirals in HIV patients.	Lizzette Gil del Valle, PhD. / Cuba
10:45	10:50	OZ32 (Poster)- Ozomed Plus® for medical applications, more than 30 years of development.	Pablo Díaz Arteaga, Eng. / Cuba
10:50	11:00	General Discussion	
11:00	11:20	Coffee Break	

MANUFACTURING/REGULATORY AFFAIRS**POSTER PRESENTATION PROGRAM****Chair:** Grether Barreras García, MSc.**FRIDAY JUNE 27
CONFERENCE ROOM C**

Schedule		Code/Title	Author/Country
09:00	09:15	PAR28- Demonstrating the consistency of the manufacturing process of Sacha inchi oil soft CAPSULES.	Annaisa Zaldivar Barrios, BS. / Cuba
09:15	09:30	PAR29- Study of the stability behavior of the intermediate product Saponified Wax in the production of Policosanol.	Roxana Méndez Ares, BS. / Cuba
09:30	09:45	PAR30- Assessment of technological education for the ecological and efficient production of ozonized sunflower oil at CNIC.	Ada Franco Ramos, BS. / Cuba
09:45	10:00	PAR31- New design of a support for propolis solid-liquid extraction.	José Manuel Martínez Rojas, Mr. / Cuba
10:00	10:15	PAR32- Proposal for the storage and sustainable management of waste generated in the physicochemical laboratory.	Yanet Núñez Fonseca, BS. / Cuba
10:15	10:30	PAR33- Determination of the characteristics of the gelatin raw material to improve the PALMEX encapsulation process.	Yadira Carmentate Botino, Eng. / Cuba
10:30	10:45	PAR34- Development of formulations in soft capsules with different active ingredients.	Claudia Perdomo Sandrino, BS. / Cuba
10:45	11:00	General Discussion	
11:00	11:20	Coffee Break	

BUSINESS SESSION**FRIDAY JUNE 27****ROOM 3**

Business follow-up, contract signing, and company presentations

Schedule		Code/Title	Author/Country
09:00	09:30	Policosanol in China.	Yuan Jiangqiang, Mr. / China
09:35	09:55	Vacuum technology for laboratories and Pilot plants.	Roberto Fritzler, Mr. / Germany
10:00	10:20	CPM Compagnia per la Medicina, 30 years focused on the needs of our clients.	Yamilia Garriga, Ms. / Italy
10:25	10:45	Vans and bodies for the transportation of goods in the pharmaceutical industry.	Miguel Sánchez Guardado, Mr. Luis Felipe Vázquez Ruíz, Mr. / Spain
11:00	11:20	Coffee break	
11:20	11:40	Industrial Molecular Distiller Project.	Yahima Harvey, Eng. / Cuba Yadira Lima, BS. / Cuba
11:45	12:00	Alkaid Consultores: General Laboratory Services.	Maidelin Valdes, Ms. / Cuba