



C.I.R.A.M. INTERNATIONAL MASTER WORKSHOP

“Innovative Analytical Methods for Monitoring Reproductive Health in Environmental Contexts”

📅 May 11, 2026 – Online Event

09:00 - OPENING CEREMONY

CONVENERS



Giulia GUERRIERO
Federico II University,
ITALY



Mohamed BANNI
Sousse University,
TUNISIA

PLENARY SESSION



09:10 - 09:50

**Jacob
DE BOER**
Vrije University Amsterdam,
THE NETHERLANDS

*Two examples of substances that affect reproductive health:
PFAS and DMAc*



09:50 - 10:10

**Gea
OLIVERI CONTI**
University of Catania,
ITALY

*Microplastics and infertility, a methodological problem in a hot
environmental topic*



10:10 - 10:30

**Mohamed
BANNI**
Sousse University,
TUNISIA

*Climate change and environmental pollutants: main drivers of
biodiversity decline*



10:30 - 10:50

Alessandra GALLO

Stazione Zoologica
"Anthon Dohrn" - Naples,
ITALY

Reproductive toxicity risk assessment: new strategies in investigating gamete quality

10:50 – 11:00



Coffee break

MORNING LECTURES



11:00 – 11:20

Margherita MARANESI

Perugia University,
ITALY

From exposure to dysfunction: molecular tools to decode endocrine disruptors in reproductive health



11:20 – 11:40

Sridhar MUTHUSAMI

Centre for Cancer Research,
Karpagam Academy of Higher
Education,
INDIA

Advanced Cytopathology for Reproductive Health Assessment



11:40 – 12:00

Vincenza DE GREGORIO

Federico II University,
ITALY

Connecting environmental pollution to human assisted reproductive technologies



12:00 – 12:20

Dilip MUKHERJEE

University of Kalyani,
INDIA

Effects of mercury and cadmium on reproductive impairments of fish

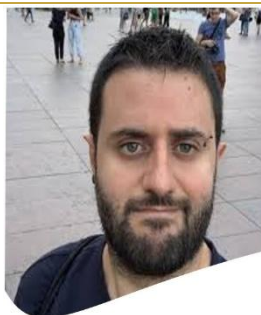


12:20 – 12:40

**Erkan
CAN**

Izmir Katip Celebi University,
TURKEY

Monitoring and control of reproductive health in marine fish hatcheries: innovative analytical approaches



12:40 – 13:00

**Massimo
VENDITTI**

Vanvitelli University,
ITALY

Effects of microplastics on the reproductive male system in rats: an integrated proteomic and transcriptomic analysis



13:00 – 13:20

**Annemarië
AVENANT-OLDEWAGE**

University of Johannesburg,
SOUTH AFRICA

Innovative analytical methods for detection of reproductive fitness in fish parasites in polluted rivers

13:20 – 14:15



Lunch

AFTERNOON LECTURES



14:15 - 14:35

**Jabbar
AL-SAAIDI**

Al-yen Iraq University, Thi
Qar,
IRAQ

Silent threats: the impact of environmental stress on fertility



14:35 – 14:55

**Manas Kuman
DAS**

Gauhati University, Assam,
INDIA

Impact of widely used agricultural herbicides in India on female reproductive health: a modern analytical perspective



14:55 – 15:15

**Kamla Kant
SHUKLA**

India Institute of Medical
Science, Jodhpur,
INDIA

***Endocrine-disrupting chemicals and male infertility: an
integrative bioinformatics perspective***



15:15 - 15:35

**Chiara
MARTINO**

Palermo University,
ITALY

***Assessing reproductive health under multiple environmental
stressors: from marine models to ecosystem implications***

15:35 – 15:50



Coffee break



15:50 - 16:10

**Giuseppe
COPPOLA**

Institute of Applied Sciences
and Intelligent Systems,
Naples Unit, CNR,
ITALY

Digital holography for label-free sperm cell imaging and beyond



16:10 – 16:30

**Eugenio Luigi
IORIO**

UNIUBE University,
BRAZIL

Positive fertility: the redoxomic approach



16:30 – 16:50

**Mariachiara
GALATI**

University of Messina
ITALY

***A multibiomarker approach from traditional to innovative
techniques: NMR-based Metabolomics as a winning strategy to
biomonitoring the reproductive health***



16:50 – 17:10

**Marco
TRIFUOGGI**
Federico II University,
ITALY

Trace elements in human semen as an indicator of environmental pollution



17:10 – 17:30

**Fagr Kh.
ABDEL-GAWAD**
National Research Centre,
Dokki,
EGYPT

Environmental reproductive health monitoring: bridging science and policy



17:30 - 18:00

**Nabil
KHÉLIFI**
Senior Publishing at Springer,
GERMANY

Publishing Your Research in Environmental Sciences: Strategies for High-Impact Journals

18:00 - CLOSING CEREMONY

featuring **Khaled ELSAADANY**, Project Management and Monitoring Expert,
Interreg NEXT MED Program,
Senior Expert, Innovation and Technology Transfer