

Participations in National meetings and conferences

Tunisia Blue Swimming crab- traps

1. Introduction

As part of the Tunisia Blue Swimming Crab Fishery Improvement Project (FIP), we actively participated in a series of national meetings and conferences alongside key stakeholders and decision-makers. These commitments were instrumental in fostering dialogue around the possibility of developing effective and specific management measures for the specie. This document provides both visual and written evidence of our involvement in these events.

2. Meetings and conferences summary table

DATE AND PLACE	EVENT TITLE	ORGANIZER	PARTICIPANTS	PURPOSE
<p>September 15-17, 2023 Hammamet, Tunisia (1)</p>	<p>XIXth Tunisian days of Marine Science.</p>	<p>Tunisian Association of Marine Sciences (ATSMer) with the assistance of the Center for Regional Activities of Specially Protected Areas (RAC/SPA, under the United Nations) and the National Agronomic Institute of Tunisia (INAT).</p>	<ul style="list-style-type: none"> - Relevant national and international organizations and institutions (more than 120 researchers from around the Mediterranean), all involved in Marine Science. - Government, NGOs, 	<p>Main topic: Biodiversity and Non-Indigenous Species (NIS):</p> <ul style="list-style-type: none"> - Sharing the knowledge on NIS. - The paradox of blue crabs between ecosystem

			<p>Fishers and industry.</p> <ul style="list-style-type: none"> - GUMP as FIP lead was a participant, partner and sponsor. It contributes with an oral presentation within the conference and with an active debate during the blue crab workshop. 	<p>impacts and investment opportunities.</p>
<p>March 5-7, 2024 Tunis, Tunisia (2)</p>	<p>Scientific Biodiversity Days (Towards a National inventory of Marine Biodiversity.</p>	<p>The laboratory of Ecology, Biology, and physiology of Aquatic organisms, University of Tunis EL Manar.</p>	<ul style="list-style-type: none"> - Marine Researchers. - All stakeholders in the Fisheries sector. - “INAT” as FIP participant contributes with an oral presentation regarding the blue crabs in Tunisia. 	<ul style="list-style-type: none"> - National inventory of Marine biodiversity. - Exploring the opportunities of invasive species.

			<ul style="list-style-type: none"> - GUMP as FIP lead attended the conference. 	
<p>January 8-9, 2025 Hammamet, Tunisia (3)</p>	<p>The National Symposium on the development of Exports (Fishery and Aquaculture products).</p>	<p>GIPP (Interprofessional Group of Fishery Products).</p>	<ul style="list-style-type: none"> - Government. - Industry. - Researchers. - Fishers. - Other relevant organizations involved in the fisheries and industry sector. <p>(GUMP as the FIP lead, attended the symposium and actively participated in the workshops).</p>	<ul style="list-style-type: none"> - Export development of Fishery and Aquaculture products.

EVENT No.

EVIDENCE

(1)





(2)

04/03/2024 11:51

Gmail - Invitation

Le Laboratoire « Écologie, Biologie et Physiologie des organismes aquatiques »
En collaboration avec L'école doctorale Organisme :

الأيام العلمية للتنوع البيولوجي
تحو جرد وطني للتنوع البيولوجي البحري
Les Journées Scientifiques de Biodiversité
« Vers Un Inventaire National de la Biodiversité marine »
Scientific Biodiversity Days - Towards a National Inventory of Marine Biodiversity

Mardi 05 Mars 2024

8h00 Accueil des participants & Enregistrement
9h00 Allocations de bienvenue : Mmes Aïf AZZOUNA & Mouna ANTIT-BEN REJEB
9h30 Allocations d'ouverture
• M Mahnoud Elyes HAMZA, Directeur du Centre d'Activités Régionales pour les Aires Spécialement Protégées
• Mme Ofa MAAMOUJ, Directrice du Département des Sciences Biologiques, FST
• Mme Neila TRIFI, Directrice de l'École Doctorale SYST, FST
• M Noureddine AMDOULI, Doyen de la Faculté des Sciences de Tunis (FST)

Moderation : Mme Mouna ANTIT-BEN REJEB
10h30 M Serge GOFAS, Muséum National d'Histoire Naturelle de Paris, (Conférence) *Listes de références du patrimoine naturel : dans quel but ? et comment bien les faire ?*
11h40 M Mohamed Salah BEN ROMDHANE, INAT *La biodiversité marine en Tunisie entre exploitation, menaces et protection*
12h00 Discussion
12h30 Pausse-déjeuner
13h30 Moderation : Mme Dhouha BOUSSOUFA
13h30 Mme Ilhem HAMDI, ATVS *Présentation de la nouvelle plateforme de centralisation et de diffusion de l'information sur la Biodiversité en Tunisie - Naturodes*
13h50 M Sabri JAZIRI, MARS Méditerranéen Action Nature *Effets des changements climatiques sur les assemblages lithiques dans l'archipel de La Galie*
14h10 M Waïd BELGASSEM, MARS-Méditerranéen Action Nature *Atlas des milieux insulaires dans la conservation de la biodiversité - cas de La Galie*
14h30 Mme Rym ZAKHAMA, ATUTAX *Trésor à préserver - les herbiers sous-marins de Posidonia*
14h50 Mme Carmen SALAS, FSM (Espagne) [Atelier] *Gestion des ressources halieutiques des Moluques marins*
15h20 Discussion

Mercredi 06 Mars 2024

8h30 Enregistrement
Moderation : Mme Fatem EL MADDAH
9h00 M Serge GOFAS, MNHN (Conférence) *Espèces exotiques et envahissantes en milieu marin*
10h20 M Raouf BESSES, INSTM *Biodiversité et potentialités d'élevage des crevettes péloides en Tunisie*
10h40 M Nourou ESSID, IRIB *Les Némertodes Libres Marins : Description, Diversité et Réponse différentielle à la contamination par les polluants émergents*
11h00 Mme Jamila BEN SAOUSSI, INAT *Les invasions biologiques : Menaces ou opportunités ? Cas de l'explosion en Tunisie des crabes à barbe *Portunus segnis* (Forsskal, 1775) et *Callinectes sapidus Rathbun, 1896**

11h30 M Aslam DIELOULI, INSTM *Diversité du macrophytobenthos des côtes de Tunisie : état des connaissances et perspectives*
12h00 Discussion
12h30 Pausse-déjeuner
13h30 Moderation : Mme Sarra FARULLAH
14h00 M Nabil AMOR, ISSBAT (Conférence/Atelier) *Phylogénie et évolution moléculaires : Principe de reconstruction des phylogénies moléculaires-La phylogénie à l'ère du génome-Evolution moléculaire*
15h00 Mme Carmen SALAS, Mme Fatem EL MADDAH, M Serge GOFAS : [Atelier] *Comment bien écrire un article scientifique*

Jeudi 07 Mars 2024

8h30 Enregistrement
Moderation : Mme Mouna ANTIT-BEN REJEB
9h00 Mme Carmen SALAS, FSM (Conférence) *Mythes et réalités des patcheries artisanales*
10h00 Mme Neila TRIFI, Ecole Doctorale, FST *Ressources génétiques de complexe d'espèces de plantes : biodiversité phylogénétique et histoire évolutive*
10h30 M Ahmed AFIL avec Mme Manel TOUNSI & Rakia AYARI, INSTM Tunis *Inventaire actualisé des invertébrés marins de Tunisie*
11h00 Mme Aouna HAMZA, INSTM Sfax *La science participative, levier de la conservation de la biodiversité en Tunisie*
11h30 Discussion
12h30 Pausse-déjeuner
13h30 Moderation : Mme Aïf AZZOUNA
13h30 M Sand NOUIRA, FST (Conférence) *Pattern de la Biodiversité terrestre tunisienne*
13h50 M Serge GOFAS, INATP (Atelier) *La base de données Worms - La mise en place de collections permanentes*
14h00 Discussion
16h30 Hommages et clôture

Le 5-6-7 Mars 2024 à la Faculté des Sciences de Tunis - Salle des conférences AII HILU

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04/03/2024 11:51

Gmail - Invitation

Le Laboratoire « Écologie, Biologie et Physiologie des organismes aquatiques »
En collaboration avec L'école doctorale Organisme :

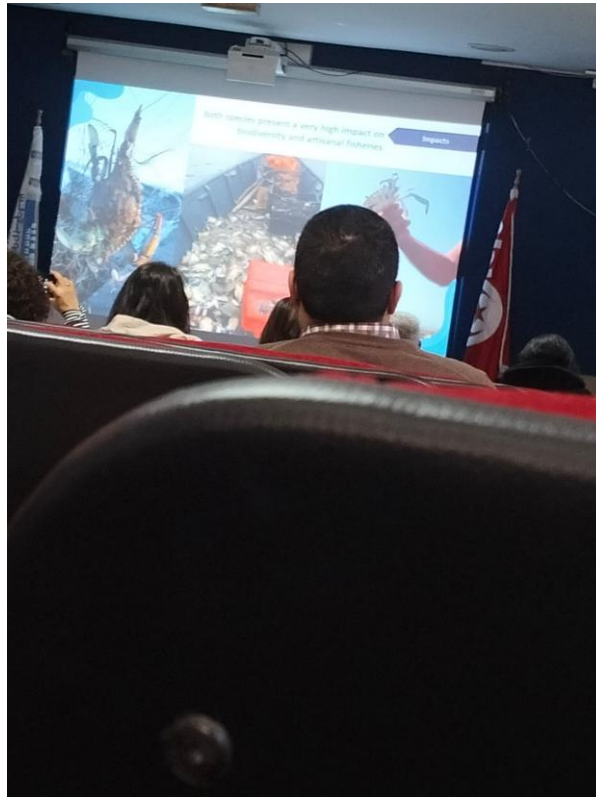
الأيام العلمية للتنوع البيولوجي
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Les Journées Scientifiques de Biodiversité
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Scientific Biodiversity Days - Towards a National Inventory of Marine Biodiversity

5-6-7 Mars 2024
à la Faculté des Sciences de Tunis
Salle des conférences AII HILU

Nos Invités
M Mohamed Elyes HAMZA - M Serge GOFAS SALVATOR - Mme Carmen SALAS CASANOVA
Mme Neila TRIFI - M Mohamed Salah BEN ROMDHANE - Mme Jamila BEN SAOUSSI - M Ahmed AFIL - M Raouf BESSES
Mme Aouna HAMZA - M Nourou ESSID - M Sand NOUIRA - M Mohamed Hedi ATAKI - Mme Rym ZAKHAMA - M Aslam DIELOULI
M Nabil AMOR - Mme Rym ZAKHAMA - M Sabri JAZIRI - M Waïd BELGASSEM - Mme Ilhem HAMDI

Comité d'organisation
Madrines Aïf AZZOUNA - Mouna ANTIT-BEN REJEB - Fatem EL MADDAH -
Aïf NAJARI - Dhouha BOUSSOUFA - Marwa BOUHEDI - Monsieur Nabil AMOR

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دعوة
Invitation

نيابة عن السيد عميد كلية العلوم بنونس
والسيددة مديرة قسم علم الاحياء،
بدعوكم محترمي "البيئة، علم الاحياء و فيزيولوجيا الكائنات المائية"،
بالتعاون مع مدرسة الدكتوراه "علوم وتكنولوجيا الكائنات الحية وعلوم الارض"
للمشاركة في "الأيام العلمية للتلوث البيولوجي" المنو بجزء وتلقي للتلوث البحري
التي ستعقد في كلية العلوم بنونس في الفترة 5-6-7 مارس 2024
في قاعة المؤتمرات علي الجبل.

Au nom de Monsieur Le Doyen de la Faculté des Sciences de Tunis
et de Madame La Directrice du Département de Biologie
Le laboratoire « Ecologie, Biologie et Physiologie des Organismes aquatiques », en collaboration
avec l'École Doctorale « Sciences et Technologies du Vivant et Sciences de la Terre »
Vous invite à participer aux

Journées Scientifiques de Biodiversité
« Vers un Inventaire National de la Biodiversité marine »
qui se tiennent à la Faculté des Sciences de Tunis les 5-6-7 mars 2024
A la salle de conférences Al EL HILJ

(3)







**XIXth Tunisian Days of Marine Science
Hammamet, Tunisia, 15-17 September, 2023**

12 July 2023

ACCEPTANCE LETTER

Dear **Amani Chaffai**

We are pleased to inform you on behalf of the Organizing Committee that your abstract has been accepted for presentation at XIXth Tunisian Days of Marine Science 2023 after review. There will be a later announcement regarding the type of presentation.

Thank you in advance for your contribution to XIXth Tunisian Days of Marine Science 2023; If you have any questions, please do not hesitate to contact us at atsmer@yahoo.fr

We look forward to welcoming you in Hammamet (Tunisia) as a part of XIXth Tunisian Days of Marine Science 2023.

Abstract Title: Setting up fishery improvement project in Tunisia: Best way forward to sustainable blue swimming crab

Authors: Amani Chaffai, Mehdi Aissi, Jamila Ben Souissi, Ed Rhodes, Gavin Gibbons & Ken Choi



Raouf BESBES

General Secretary of Tunisian Association of Marine Sciences
Organizing Committee
XIXth Tunisian Days of Marine Science 2023



September 1st, 2023

To

KUNHO CHOI

PDG of Gulf Union Marine Products (GUMP)

Zarzis Park of Economic Activities

Subject: Invitation to Attend Workshop on Blue Crab Fishery Sustainability

Dear KUNHO CHOI,

On behalf of the Organizing Committee of the Workshop on Blue Crab Fishery Sustainability in Tunisia, we have the pleasure to invite you to take part in this event.

This workshop will be attended by scientists coming mainly from different countries in the Mediterranean Sea, NGOs, managers, industrials, fishers, and all stakeholders involved in the blue crab sector to discuss the blue crab paradox between socio-economic opportunity and ecosystem impacts. The goal of this decision-making consortium is to develop a national action plan.

This workshop will take place in Hammamet, Hotel Blue Marine and Thalasso on September 17, 2023.

Your presence is strongly recommended for the debate and sharing your experience and expertise.

Warm regards,

Professor Jamila Ben Souissi

National Institute of Agronomy of Tunisia

Fisheries and Environment Department



Program

Conference Room: Carthage

Day 1: Friday, September 15, 2023

7:30 9:45 Registration

10:00 10:30 Opening of the XIXth International Tunisian Days of Marine Science

10:30 11:15 Conf1 **Conference 1:** Climate change impacts on the ocean, with a focus on ocean acidification

Jason Hall-Spencer, Professor of Marine Biology, University of Plymouth / School of Biological and Marine Sciences / Faculty of Science and Engineering (United Kingdom)

11:15 11:45 Conf2 **Conference 2:** Non-Indigenous Species and Barcelona convention

Atef Ouerghi

Programme Officer - Ecosystem Conservation

Regional Activity Centre for Specially Protected Areas (RAC/SPA)

■ Session 1 Topic 1 – Biodiversity and Non-Indigenous Species

Chairs: Jason Hall-Spencer & Atef Ouerghi

11:45 12:00 Oral1 **Dimitrios K. Moutopoulos, Nikolaos Doumpas, Ioannis Giovos, Kleitou Perikis & Nikoleta Sidiropoulou.** Greek consumers' preferences to edible alien species: The cases of Atlantic blue crab and lionfish.

12:00 12:15 Oral2 **Nicoletta Marsiglia, Mar Bosch-Belmar, Guillaume Marchessaux, Antonio Giacoletti & Gianluca Sarà.** Thermal performance of juvenile and adults of the invasive mussel *Brachidontes pharaonis*.

12:15 12:30 Oral3 **Guillaume Marchessaux, Cristèle Chevalier, Maria Cristina Mangano & Gianluca Sarà.** Larval connectivity of the invasive blue crabs *Callinectes sapidus* and *Portunus segnis* in the Mediterranean Sea: a step toward improved cross border management.

12:30 12:45 Oral4 **Zhaojun Wang, Adel Kacimi, Hailian Xu, Mingxi Du.** The global impacts of a bilateral trade policy on ballast water-mediated species spread risk: a case study of Sino-US trade.

12:45 13:00 Oral5 **Raouia Ghanem, Khadija Ounifi Ben Amor, Jamila Ben Souissi & Ernesto Azzurro.** Native and non-indigenous groupers in Tunisian marine waters: A review.

13:00 14:00 Lunch

■ Session 2 Topic 1 – Biodiversity and Non-Indigenous Species

Chairs: Guillaume Marchessaux & Sihem Bahri

14:30 15:15 Conf3 **Conference 3:** Antifouling solutions for recreational boats: Effectiveness and implications for biofouling management in the context of bioinvasions.

Agnese Marchini, Professor in Marine Environment, Department of Earth and Environmental Sciences, University of Pavia, Italy

15:15 16:00 Conf4 **Conference 4 (Young Scientist):** Rate of detection of fouling non-indigenous species by four different sampling methods.

Jasmine Ferrario

16:00 16:15 Oral6 **Wafa Rjiba Bahri, Raouia Ghanem, Emna Soufi Kechaou, Amani Chaffai, Amira Mnari Bhourri, Faten Khamassi & Jamila Ben Souissi.** Can the invasive blue crab *Callinectes sapidus* contribute to Tunisian diet diversification and health promotion?

XIXth International Tunisian Days of Marine Science, Hammamet, Tunisia 15-17 September 2023

16:15	16:30	Oral7	Mohamed Ramdani , Jamila Ben Souissi & Françoise Denis. Identification of the genetic lineage of three populations of the blue crab <i>Callinectes sapidus</i> from three sites in the Moroccan Mediterranean coast
16:30	16:45	Oral8	Amani Chaffai , Mehdi Aissi, Jamila Ben Souissi, Ed Rhodes, Gavin Gibbons & Ken Choi. Setting up fishery improvement project in Tunisia: Best way forward to sustainable blue swimming crab.
16:45	17:00	Oral9	Alhashmi Hasan & Khaled Salem Etayeb. Biodiversity and behavior of sea gulls along the beach between Tajura and Tripoli harbors.
17:00	17:15	Oral10	Samira Benslimane , Mustapha Chaouadi & Aziz Hafferssas. Assessing Copepod Populations in Algerian Waters: Abundance, Diversity, and Ecological Significance along the Algerian Coasts.
17:15	17:45		Coffee break

■ **Session 3 Topic 1 – Biodiversity and Non-Indigenous Species**

Chairs: Mohamed Ramdani & Bouchra Benmansour

17:45	18:00	Oral11	Aldjia Kherchouche Aïf Ouadour , Hadjer Rais, Wissem Lebriki, G.E. Yacine Khames & Aziz Hafferssas. Medusozoans composition and abundance distribution from two regions on the Central Algerian coast.
18:00	18:15	Oral12	Mohamed Anis Draredja , Hocine Frihi, Brahim Draredja & Mohamed Laabir. Relationships between environmental conditions and dinoflagellate blooms in the Mellah lagoon (Algeria), with an emphasis on HABs species.
18:15	18:30	Oral13	Sarah A., Benzeglami, Najla Abushaala, Amany Fitori, Nairuz Bek-Benghazi & Esmail A. Shakman . Inventory and status of Echinodermata in the Libyan waters Sarah.

18:45 19:45 **Poster session 1 (from Poster 01 to Poster 27)**

20:00 **Dinner**

Day 2: Saturday, September 16, 2023

■ **Session 4 Topic 2 – Fishery and Ichthyology**

Chairs: Hichem Kara & Lilia Bahri

8:30	8:45	Oral14	Meriem Imami , Mohamed Hichem Kara & Abdeslem Arab. Growth and demographic structure of the introduced <i>Carassius carassius</i> population in Beni Haroun dam, Algeria.
8:45	9:00	Oral15	Amel Abdaoui , Widiem Khoufi, Wajdi Hmila & Chédia Jabeur. Role of climatic and fishing pressure on <i>Seriola dumerilli</i> dynamics in Tunisia.
9:00	9:15	Oral16	Houria Handjar & Abdelhak Zemane. Causes of fluctuations in <i>Sardina pilchardus</i> fish of the Algerian coasts.
9:15	9:30	Oral17	Ahmed Inal , Samir Roudi, Yasmina Belkacem, Karima Soumani & Tahar Filali. Monitoring of fishing gears impacts on Elasmobranch species in the Gulf of Ghazaouet (Alboran Sea, West Algeria).
9:30	9:45	Oral18	Wajdi Hmila , Widiem Khoufi, Amel Abdaoui & Chédia Jabeur. How can climatic parameters and fishing activities influence the <i>Pomatomus saltatrix</i> stock in Tunisia?
9:45	10:00	Oral19	Ghost fishing gear: a threat to biodiversity in the Gulf of Gabès. Hana Ghaouar , Wiem Bousellaa, Hamed Mallat & Imed Jribi.

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- 10:00 10:15 Oral20 **Mamadou Dia**, Yeslem El Vally, Beyah Meissa. Evolution of catches and specific composition of elasmobranchs in Mauritanian artisanal, coastal and offshore fisheries.
- 10:15 10:30 Oral21 **Abdalaziz Aboughares**, Mostfa Abeer & Esmail Shakman. Artisanal fisheries and fish composition in the area from Al-Khums to Misurata of the western coast of Libya.
- 10:30 10:45 Oral22 **Ali Becheker**, Lamy Chaoui & Mohamed Hichem Kara. Habitat-dependent growth and recruitment period of 0⁺ juveniles of five species of Mugilidae on the Algerian eastern coast.
- 10:45 11:00 Oral23 **Alia Salem Elshakh**, Atea Salah Ali Ramadan, Mohamed Ali Sayed & Gaber Haiba Essam. Growth pattern of the golden gray mullet, *Liza aurata* (Mugilidae) in the southern Mediterranean coast (Libya).
- 11:00 11:15 Oral24 **Halima Sadia Abdellaoui**, Lamy Chaoui, Ahmed Sofiane Boudinar & Mohamed Hichem Kara. Variation of otoliths and scales shapes according to the size of *Atherina Boyeri* in Annaba gulf.

11:30 12:30 ■ **Poster session 2 (form Poster 28 to Poster 52)**13:00 14:00 **Lunch**■ **Session 5 Topic 3 – Genetic and Biotechnology**

Chairs: Sidi Mohammed El Amine Abi Ayad & Nour Shafik El-Gendy

- 14:30 14:45 Oral25 **Lilia Bahri-Sfar**, Didier Aurelle, Jamila Ben Souissi, Stéphane Sartoretto, Nabil Amor, Raouia Ghanem & Abbes Nawras. Project PHC-UTIQUE: Genomics and Ecology of *Eunicella* gorgonians along the Tunisian Coast: impact of anthropogenic pressures and evolutionary heritage.
- 14:45 15:00 Oral26 **Nermine Laifi**, Nabil Amor, Ahmed Ouni & Lamia Medini-Bouaziz. Biometric study and genetic analysis of *Ligia* populations in Tunisia.
- 15:00 15:15 Oral27 Nour Shafik El-Gendy. **A clean and sustainable environment via the recruitment of marine macroalgae and artificial intelligence for the green synthesis of value-added products and wastewater treatment.**
- 15:15 15:30 Oral28 **Mohamed Barkallah**, Jihen Elleuch & Slim Abdelkafi. Development of a system for risk prevention and detection of toxic microalgae in the marine environment.
- 15:30 15:45 Oral29 **Redhouane Benfares**, Affaf Kord, Belkacem Guenachi & Kamel Boudjemaa. Valorization of the biological activity of the active principles of some species of brown algae.
- 15:45 16:00 Oral30 **Tarek Hajji**, Ahmed Slaheddine Masmoudi, Meriem Kharroubi, Miriam Chikhaoui, Monia Trabelsi & Lassaad Chouba. Biotechnological valorization of sea cucumbers from the Tunisian and Moroccan coasts: A PR&D Tunisian-Moroccan cooperation.
- 16:00 16:15 Oral31 **Khaoula Telahigue**, Imen Rabeh, Lassaad Chouba, Mariem Kharroubi, Ahmed Slaheddine Masmoudi & Tarek Hajji. Effect of different drying methods on the nutritional quality of the sea cucumbers *Holothuria tubulosa* and *Holothuria polii*.
- 16:15 16:30 Oral32 **Fadna Aatab**, Fatima Bellali, Fatima Zahra Aboudamia, Ahmed Errhif, Tarek Hajji, Ahmed Salaheddine Masmoudi, Mariem Kharroubi. Drying techniques and phenolic composition of the aqueous extracts of *Holothuria tubulosa* sea cucumber.

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- 16:30 16:45 Oral33 **Mohamed Arbi Ben Mehria**, Yasmine Boughmi, Takoua Abidi, Kamel Mabrouk, Ahmed Slaheddine Masmoudi & Tarek Hajji. Screening of antiproliferative peptides from the coelomocytes of the echinoderms *Paracentrotus lividus* and *Holothuria forskali*
- 16:45 17:00 Oral34 Tassadit Benbara, Naouez Ktari, Imen Trabelsi, Amira Riahi, Riadh Ben Salah, Monia El bour, & **Farida Bendali**. Probiotics as friendly health promoting strategy in aquaculture.
- 17:00 17:30 **Coffee**

■ **Session 6 Topic 4: Parasitology and Microbiology**

Chairs: Mohamed Hédi Ktari & Farida Bendali

- 17:30 18:45 Oral35 **Bouchra Benmansour**, Ilhem Hamdi & Sabiha Zouri Tlig. Comparison of the ectoparasite component communities in the comber and the painted comber from two localities (Gulf of Tunis and Bizerte Bay) in the Tunisian waters.
- 18:00 18:15 Oral36 **Kacem Hichem** & Miquel Jordi. Synthesis of ultrastructural characteristics of Opecoelidae spermatozoa and their phylogenetic implications, with new data on *Peracreadium characis*.
- 18:15 18:30 Oral37 **Sana Gattoufi**, Bilel Hassen, Radhia Mraouna & Monia El Bour. Bacterial diversity, prevalence, and antimicrobial resistance in the clam *Venerupis decussata*.
- 18:30 18:45 Oral38 **Amira Riahi**, Bilel Hassen, Yossra Aloudi, Radhia Maraouna, Zied Bouraoui, Farida Bendali, Naouez Ktari, Riadh Ben Salah & Monia El Bour. Comparative study of the diversity of marine lactic acid bacteria.

20:00 **Gala Dinner**

Day 3: Sunday, September 17, 2023

■ **Session 7 Topic 5 – Ecosystem, Pollution and Ecotoxicology**

Chairs: Dia Mamadou & Esmail Shakman

- 9:00 9:15 Oral39 **Lamia Laaraj**, Abdellatif Moukrim, Hammou El Habouz, Hafida Bergayou. Comparative study of mussels *Mytilus galloprovincialis* and *Perna perna* in the Massa-Tifnit sector (southwestern of Morocco): Monthly monitoring of growth and population dynamics.
- 9:15 9:30 Oral40 **Aziz Hafferssas** & Lylia Mellak. Hydro-climatic events and Copepods community on the Algerian coasts (1°W – 8°E) in relation to planktivorous predators.
- 9:30 9:45 Oral41 **Marwa Bouhedi**, Mouna Antiit & Atf Azzouna. A study on the digestive system of the marine Polychaete *Perinereis cultrifera*.
- 9:45 10:00 Oral42 **Imen Rabeh**, Khaoula Telahigue, Zied el Mdaini, Lazhar Mhadhbi & Tarek Hajji. The effects of glyphosate on the nutritional lipid quality of the sea cucumber *Holothuria forskali*.
- 10:00 10:15 Oral43 **Khaled Abderrahmani** & Mostefa Boulahdid. Using sentinel species (mussels) to qualify the environmental health of coastal sites.
- 10:15 10:30 Oral44 **Ahmed Inal**, Samir Rouidi, Fairouz Abdelouahab, Amine Zerdani & Samir Bachouche. Composition and distribution of seabed marine litter along Algerian coast (Western Mediterranean).

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10:30	10:45	Oral45	Nourhene Rebai , Paula sobral & Lassad Neifar. Is marine biota affected by microplastics in Tunisian ports?
10:45	11:00	Oral46	Rim Lajnef , Marianne Quéméneur, Fourat Akrouf, Mabrouka Mahfoudhi, Asma Hamza, Malika Belhassen & Amel Bellaaj Zouari. Monitoring Harmful Algal Bloom in the Gulf of Tunis and correlation with physicochemical factors.
11:00	11:45	Conf5	Conference 5: Use of space technologies for the monitoring and management of marine areas and the coast Zohra Lili Chabaane

■ **Closing ceremony**

11:45	13:00	Awards ceremony (best oral presentations and posters) and closing ceremony
13:00		Lunch

Posters

■ Poster Session 1: From Poster 1 to Poster 27

N°

- Poster 1 **Selima Farah**, Khadija Ounifi Ben Amor, Jamila Ben Souissi. Impact of the invasive fish *Stephanolepis diaspros* on the fisheries of the Bibans lagoon.
- Poster 2 **Mohamed Alhajai** & Esmail Shakman. Growth and spawning time of two sardine, *Sardinella aurita* and *Etrumeus golanii* in the southern Mediterranean (Libyan coast).
- Poster 3 **Amani Chaffai**, Wafa Rjiba-Bahri, Françoise Denis, Raouia Ghanem & Jamila Ben Souissi. Mitochondrial DNA variation and population genetic structure of the invasive crab *Libinia dubia* H. Milne Edwards, 1834 from the Gulf of Gabès.
- Poster 4 **Khouloud Bouhali**, Farid Derbal, M. Hichem Kara. Some aspects of the bioecology of the invasive Blue Crab *Callinectes sapidus* in Mellah lagoon, Algeria.
- Poster 5 **Waad Sabour** & Mai Masri. Determination of reproductive period and sex Inversion of migratory species *Pagellus bogaraveo* in Syrian coast.
- Poster 6 **Waad Sabour** & Mai Masri. Recording of non-indigenous species (invasive) in Syrian marine waters.
- Poster 7 **Sidiropoulou N.**, Doumpas N., Moutopoulos D., Giovos I. Promoting the consumption of edible alien species and the responsible consumption of seafood.
- Poster 8 **Wiem Bussellaa**, Hela Derbel & Lassad Neifar. Lessepsian migration and parasitism: an annotated checklist of invasive parasites in the Mediterranean Sea.
- Poster 9 **Amal Hasan**, Pierrot Van der Aa, Frithjof C Küpper, Dhia Al-Bader & Akira F. Peters. *Kuwaitiella rubra* (Bangiales, Rhodophyta), a new filamentous marine alga from the Arabian Gulf.
- Poster 10 **Omar Aboasha**, Benghazi Nauroz Bek & Esmail Shakman. Diversity of marine Mollusca in the intertidal zone of the area from Alkoumas to Zlitan – Libya.
- Poster 11 **Mellak Lylia**, Chabani Selman & Hafferssas Aziz. Biodiversity and seasonal variations of characteristic species of copepods in the Central Algerian coast (2°E 4°E).
- Poster 12 **Sonia Dilmi**, Rym Bachetarzi & Chafika Rezbani-Zahaf. Macrobenthic communities of a shellfish farm in the Mediterranean Sea (Algeria).
- Poster 13 **Malika Gherram**, Meriem Amiar, Fatiha Dalouche & Sidi Mohammed El Amine Abi Ayad. Exploration of biodiversity and distribution of fauna and flora along the Algerian west coast.
- Poster 14 **Sid' Ahmed Hemmed**. Biomass and geographical distribution of seven small pelagic fish species in relation to temperature condition in Mauritanian waters
- Poster 15 **Zouhour Bouain**, Abderrahmen Bouain & Lassad Neifar. Reproductive biology of the sand sole *Pegusa lascaris* (Risso, 1810) (Actinopterygii: Pleuronectiformes: Soleidae), off Tunisian coast (Central Mediterranean).
- Poster 16 **Selmane Chabani**, Lilia Mellak & Aziz Hafferssas. Copepod community related to the alimentary bolus of two small pelagic fishes, *Sardina pilchardus* and *Sardinella aurita*: Case of Algiers and Bou Ismail bays.

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- Poster 17 **Naïma Boughamou** & Fatma Zohra Bouhali. Preliminary data on the diet of the gray sea bream *Spondyliosoma cantharus* (L., 1758) (Sparidae) from the central coasts of Algeria.
- Poster 18 **Laama Chahinez**, Kheddia Hizia, Becetti Saoussen, Hassani Abderrahim & Sadek Zohra. RAC package for study of growth for *Sparus aurata* in finfish farm, Bay of Souahlia, Algeria.
- Poster 19 **Halima Sadia Abdellaoui**, Lamy Chaoui, Ahmed Sofiane Boudinar & Mohamed Hichem Kara. Using otoliths and scales shape to differentiate the marine Atherines (*Atherina boyeri*) in eastern Algeria.
- Poster 20 **Mohamed Khalil Besbes**, Fabio Falsone, Danilo Scannella, Michele Luca Geraci, Giacomo Sardo, Fabio Fiorentino, Vita Gancitano, Claudia Scirè Scappuzzo, Sara Biancardi, Wassim Guerhazi, Raouf Besbes, Habib Ayadi & Sergio Vitale. Commercial catches of Elasmobranchs in the Mediterranean Sea: Overview of published data in the last 25 Years.
- Poster 21 **Houda Djait**, Oum Kalthoum Ben Hassine, Houcine Laouar & Lilia Bahri-Sfar. Fish feeding guilds in Sidi Salem reservoir (Tunisia).
- Poster 22 **Imed Hafsaoui**, Souad Ghaouaci, Fatima Bouhali, Feriel Boubellah & Hadil Loumi. The biometric study of the Algerian Barb, *Luciobarbus callensis* (Valenciennes, 1842) from the Sidi Yacoub dam – Chlef – Algeria.
- Poster 23 **Souad Ghaouaci**, Fatima Zohra Bouhali, Imed Hafsaoui, Malika Mammeri & Halima Dali. Contribution to the biology of the common carp *Cyprinus carpio* (Linnaeus, 1758) in Sidi Yacoub dam, western of Algeria.
- Poster 24 **Ferid Hajji**, Dhouha Tirellil, Khaoula Telahigue & Tarek Hajji. Age and growth of the rock goby *Gobius paganellus* (Gobiidae) in the Gulf of Gabes.
- Poster 25 **Khadidja Meziane**, Lamy Chaoui & Mohamed Hichem Kara. Analysis of otolith shape to distinguish stocks of *Chelon labrosus* (Risso, 1826) in the South-Western Mediterranean.
- Poster 26 **Fatma Zohra Bouhali**, Naïma Boughamou & Imed Hafsaoui. A preliminary examination of the mullet (*Mullus Surmulletus* L, 1758) diet on the coasts of Chlef (Algeria).
- Poster 27 **Houria Handjar** & Abdelhak Zemane. Description of European pilchard growth using the Dynamic Energy Budget model.
- Poster 28 **Assia Diaf**, F.Z. Bouhali & N. Benchikh. Impact of fishing activities in the gulf of Bejaia, Eastern Algeria.

■ **Poster Session 2: From Poster 28 to Poster 53**

- Poster 29 **Fatimetou Mohamed Taleb**, Dia Mamadou, Zeinebou Side Emou, Ahmed Houmeida. Barcode of Elasmobranch species landed by artisanal Fisheries in Mauritania.
- Poster 30 **Benfares Redhouane**, Kamel Boudjemaa, Affaf Kord, Sonia Messis, Linda Farai, Belkacem Guenachi & Maha kherarba. Valorization of by-products through feed formulation for Tilapia sp: zootechnical performance study.
- Poster 31 **Emna Soufi Kechaou** & Ibtissem Ben Hmidene. Aquaculture feed supplementation using non-conventional plant resources: the use of an enzymatic hydrolysis extract from Tunisian olive tree leaves.
- Poster 32 **Feriel Youssef**, Sabiha Tlig Zouari & Bouchra Benmansour. Infection rates and the prevalence seasonal variation of monogeneans infesting chondrichthyan fish from Tunisia.
- Poster 33 **Wiem Bousellaa**, Hamed Mallat, Marwa Hrizi & Imed Jribi. Parasite infection of the loggerhead sea turtle *Caretta caretta* along the Tunisian coasts.

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- Poster 34 Marwa Ben Hamouda & **Sihem Bahri**, Ectoparasites of *Mullus barbatus* and *Mullus surmuletus* (Teleostei: Mullidae) from Tunisian coasts.
- Poster 35 **Souad Ben Jemaa** & Sihem Bahri. Diversity of parasites of the common cuttlefish *Sepia officinalis* of the Tunisian coasts.
- Poster 36 **Mai Masri** & Waad Sabour. First Record of the Parasite *Anisakis simplex* in *Pagellus bogaraveo* in Syrian Marine Waters.
- Poster 37 **Yosra Alouadi**, Amira Riahi, Bilel Hassen, Radhia Mraouna & Monia EL Bour. Bioactive compounds from marine invertebrates associated bacteria.
- Poster 38 **Bilel Hassen**, Sana Gattoufi, Radhia Mraouna, **Naourez Ktari** & Monia El Bour. Prevalence and antibiotic resistance of *Vibrio* pathogens in shellfish.
- Poster 39 **Samir Neggaz**, Amine Beloud & Malika Gherram. Assessment of Water Quality and Adherence to WHO Standards in Western Algeria (à modifier).
- Poster 40 **Khalil Trigui**, Fourat Akrouf & Neji Aloui. Plastic waste in the Sahline Salt Lake: Effect of biotic and abiotic factors.
- Poster 41 **Ouafa Sadlaib**, Aicha Beya Amira, Mounia Aouissi & Hocine Frihi. Monitoring of toxic benthic dinoflagellates in the Bay of Annaba, cases of: *Ostreopsis ovata*, *Prorocentrum lima* and *Coolia monotis*.
- Poster 42 **Neila Annabi-Trabelsi**, Mohamed E. Goher, Yousef Al-Enezi, Mohammad Ali, Qusaie Karam, Genuario Belmonte, Habib Ayadi & Wassim Guermazi. The degree of eutrophication and Copepoda diversity in Lake Manzalah (Nile Delta, Egypt).
- Poster 43 **Wassim Guermazi**, Kais Guermazi, Mohammad Ali, Vincent Leignel, Habib Ayadi, Neila Annabi-Trabelsi. Assessment of size structure of cysts of *Artemia* in Sfax solar saltern.
- Poster 44 **Dhouha Boussoufa**, Nabila Ghazali, Hela Chalouati, Juan Carlos Navarro & M'hamed El Cafsi. Feeding strategies and trophic links of the Bivalve *Donax trunculus* from the Gulf of Tunis.
- Poster 45 **Mahmoud Adnane Benallal**, Ghizlène Hadjej Aouel & Ahmed Kerfouf. Impact of macro-waste pollution on the biodiversity of coastal areas of the Bay of Ain Temouchent (Algeria).
- Poster 46 **Imen Rabeh**, Khaoula Telahigue, Lassaad Chouba, Zied Mdaini, Lazhar Mhadhbi & Tarek Hajji. Beneficial and health risk assessment. Total mercury and fatty acids in selected fish species on the Tunisian market.
- Poster 47 **Raja Saidi Hajji**, Imen Chaabane, Kods Boussaha, Radhia Suissi. Adsorption tests of methylene blue by raw, activated, and geopolymerized porcelanites.
- Poster 48 **Dhouha Belhaj Sghaier**, Ines Chniti, Bilel Hassen, Imen Jouani, Radhia Mraouna, Thouraya Barhoumi-Slimi & Monia EL Bour. Microplastics identification in the banquettes of *Posidonia oceanica* on the north-eastern Tunisian coasts through 1H-NMR spectroscopy.
- Poster 49 **Arij Sadraoui**, Asma Chaabane, Zouhour Bouain, Achref Chouaibi, Hamed Mallat, Wiem Bousellaa, Imed Jribi. Understanding Sea Turtle Strandings in the Gulf of Gabès using e-turtle Application (Life Med turtle project).
- Poster 50 **Khaoula Telahigue**, Imen Rabeh, Lassaad Chouba & Tarek Hajji. Assessment of potential human health risk due to heavy metal contamination in edible organs of the bivalve *Flexopecten glaber* collected from the Bizerte lagoon (Tunisia).
- Poster 51 **Sahar Karray**, Hamdi Ghribi, Afifa Maaloul, Mohamed Samir Boubaker, Mohamed Hammami, Foued El Mestiri & Monia El Bour. Health status assessment of the farmed gilthead seabream (*Sparus aurata*) before probiotic supplementation using bioassays and biomarkers.
- Poster 52 Mohamed Esghaier & **Lilia Bahri**. Reproductive cycle of Sea cucumber *Holothuria polii* in Ghar El Melh lagoon (Northern Tunisia coast, western Mediterranean basin).



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- Poster 53 **Hamed Mallat**, Wiem Bousellaa, Abdelnaceur Ghlis, Nabil Chouikhi, Naoufel Hamouda, Imed Jribi. Observation and rescue of a leatherback turtle off the coast of the Gulf of Gabes.
- Poster 54 **Mehdia Fraj**, Faouzia Charfi-Cheikhrouha & Catherine Souty-Grosset. Seasonal variation of terrestrial Isopods diversity in wetland agroecosystem (N-E of Tunisia).