

Curriculum Vitae



Personal information

Name: **Esmail A. Shakman**
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Education

Professor, in marine biology – 2020, Libya
PhD. Fishery and fish biology- 2008, Germany
MSc. Zoology – 2001, Libya

Publications

- Bek-Benghazi N., Al-Mgoushi A., Hadoud D. and **Shakman E.** (2020). Marine Mollusca of the Libyan waters, the southern Mediterranean Sea. J. Black Sea/Mediterranean Environment. 26 (3): 263-285
- Mancus C., **(30) Shakman E.**, Serena F. **(53)** (2020). MEDLEM database, a data collection on large Elasmobranchs in the Mediterranean and Black seas. Medit. Mar. Sci., (21/2) 276-288. DOI: <http://dx.doi.org/10.12681/mms.21148>
- Kara A., Hajaji M., Ghmati H., **Shakman E.**, (2019). Growth & Reproduction of *Mustelus mustelus* (Chondrichthyes: Triakidae) in the south Mediterranean (Libyan coast). LJEEST, 1, (2): 31 – 38.
- Kara A., Hajaji M., Ghmati H., **Shakman E.**, (2019). Food and feeding habits of *Mustelus mustelus* (Linnaeus, 1758) (Chondrichthyes: Triakidae) along the western coast of Libya. ANNALES · Ser. hist. nat. 29, (2): 197-204.
- ELbaraasi H., ELabar B., ELaabidi S., Bashir A., ELSilini O., **Shakman E.** and Azzurro E. (2019). Updated checklist of bony fishes along the Libyan coasts (Southern Mediterranean Sea). Medit. Mar. Sci., 20/1: 90-105

- **Shakman E.**, Eteayb K., Taboni I., Ben Abdalha A. (2019). Status of marine alien species along the Libyan coast. J. Black Sea/Mediterranean Environment. 25, (2): 188-209
- Abdelnor, Z., Niver, L., Bauselw, W., AL-Sharief, R., Ben zegalam S., **Shakman, E.** (2019). Parasite Fauna of the Herbivorous Fish *Siganus luridus* (Ruppell, 1829), *Siganus rivulatus* (Forsskal, 1775) and *Sarpa salpa* (Linnaeus, 1758) in the Western Coast of Libya. 1st Mediterranean Symposium on the Non-Indigenous Species (Antalya, Turkey, 17-18 January 2019).
- Kendallha K., Shtewi H., Elsalini O., and **Shakman E.** (2018). Biological Aspects of Black Scorpionfish, *Scorpaena porcus* (Linnaeus, 1758) in the Western Coast of Libya. Libyan Journal of Science, (21A): 13 – 23.
- **Shakman E. A.**, Abdalha B. Abdalha, Talha F., Al – Faturi A., and Bariche M. (2017). First records of seven marine organisms of different origins from Libya (Mediterranean Sea). BioInvasions Records (6) 4: 377–382
- Boughedir, M. Rifi, E. **Shakman**, F. Maynou, R. Ghanem, J. Ben Souissi, E. Azzurro. (2015). Tracking the invasion of *Hemiramphus far* and *Saurida lessepsianus* along the southern Mediterranean coasts: A Local Ecological Knowledge study. Mediterranean marine science (16): 628 - 635
- Tobuni, Ben. Abdallah A., Serena F., **Shakman E** (2015). First documented presence of *Galeocерdo cuvier* (Péron & Lesueur, 1822) (ELASMOBRANCHII, CARCHARHINIDAE) in the Mediterranean basin (Libyan waters). Marine biodiversity Records. (1-5)
- Shahrani S. **Shakman E.** (2015). Food and feeding habits of *Scorpaena scrofa* Linnaeus, 1758 in the western part of Libya. Libyan journal of marine science. (14) : 5 – 15
- Shahrani S. **Shakman E.** (2015). Biological aspects of *Scorpaena scrofa* Linnaeus, 1758 in the western Libyan coast. Libyan journal of marine science. (14) : 29 – 42
- **Shakman E.**; Etyab K.; Taboni I., Et-wail M2; Ben Abdallah A (2014). Status of artisanal fisheries of the Libyan coast. International Congress on "Estuaries and Coastal Marine Protected Areas" ECPA 2014 (Izmir –Turkey).

- **Shakman E. & Kinzelbach R. (2010).** Reproduction and spawning period for Marbled Spinefoot *Siganus rivulatus* Forsskål, 1775 in the southern Mediterranean (Libyan coast). International conference on biodiversity of the aquatic environment, Lattakia, Syria.
- **Shakman E. & Kinzelbach R. (2010).** Reproduction and spawning period for Marbled Spinefoot *Siganus luridus* Forsskål, 1775 in the southern Mediterranean (Libyan coast). Conference Franco – Maghrebien of Zoology, Tunisia.
- Ben-abdallah A., Al-Turky A., Nafti A., **Shakman E. (2010).** A new record of the Lessepsian fish *Lagocephalus suezensis* Clark and Gohar, 1953 in the south Mediterranean (Libyan coast). Acta Ichthyol. Piscat. 41 (1): 71-72
- **Shakman E., Boedeker C., Bariche M., and Kinzelbach R. (2009).** Food and feeding habits of the lessepsian migrants *Siganus luridus* Ruppell, 1828 and *Siganus rivulatus* Forsskal 1775 (Teleostei: Siganidae) in southern Mediterranean (Libyan coast). Biological Research J. Biol. Res. 12.115-124.
- **Shakman E., Kinzelbach R., Trilles JP., and Bariche M. (2009).** First occurrence of native cymothoids parasites on introduced rabbitfishes in the Mediterranean Sea. Acta Parasitologica 54 (4): 380-384.
- **Shakman E., Winkler H., Oeberst R., and Kinzelbach R. (2008).** Morphometry, age and growth of *Siganus luridus* Ruppell, 1828 and *Siganus rivulatus* Forsskal 1775 (Siganidae) in the central Mediterranean (Libyan coast). Reviata de Biologia Marina y Oceanografia, 43 (3): 521-529.
- **Shakman E (2008).** Lessepsian Migrant fish Species of the Coastal Waters of Libya: Status, Biology, Ecology. PhD. Rostock University – Germany
- **Shakman E. & Kinzelbach R. (2007).** First records of the lessepsian migrant *Erugosquilla massavensis* (Kossmann, 1880) in coastal waters of Libya (Crustacea: Stomatopoda). Zoology in the Middle East 40: 109-111. Heidelberg.

- **Shakman E.** & Kinzelbach R. (2007). First record of sweeper fish, *Pempheris vanicolensis* Cuvier, 1821, on the eastern Libyan coast. Rostocker Meereskundliche Beitrage 18: 81-83.
- **Shakman E.** & Kinzelbach R. (2007). Distribution and characterization of lessepsian migrant fish along the coast of Libya . Acta Ichthyol. Piscat. 37 (1): 7-15.
- **Shakman E.** & Kinzelbach R. (2007). Commercial fishery and fish species composition in coastal waters of Libya. Rostocker Meereskundliche Beitrage 18: 65-80.
- **Shakman E.** & Kinzelbach R. (2006). The halfbeak fish, *Hemiramphus far* (Forsskal, 1775) in coastal waters of Libya. Zoology in the Middle East 39: 111-112. Heidelberg.
- Ben-abdalha R., **Shakman E.**, Al-Turky A. (2002). Food and feeding habits of Little tunny *Euthynnus alletteratus* in the western Libyan coast. Mahdia, Tunisia.
- **Shakman E.** (2001). Biological studies of fish *Sardinella aurita* along the western Libyan waters. MSc. Thesis.

International Research projects

- RAC/SPA - UNEP/MAP, 2020. Elaboration of a synthetic overview on the ecological characterization of the coastal and marine area of Gulf of Sirt. [**Esmail Shakman**] [SPA/RAC], SPA/RAC, Tunis.
- Regional Activity Centre for Specially Protected Areas, [2018], Libyan National Action Plan for Non- Indigenous Species 2018 – 2022. by: [**Esmail Shakman**], [SPA/RAC], SPA/RAC, Tunis, [41] pp.
- Regional Activity Centre for Specially Protected Areas, [2017], [National monitoring programme for Biodiversity in Libya]; by: [**Esmail Shakman**], [SPA/RAC], SPA/RAC, Tunis, [64] pp.
- RAC/SPA - UNEP/MAP, 2013. Economic and social survey of El Kouf National Park in Libya. By Ibrahim BEN AMER and **Shakman Esmail**. Ed. RAC/SPA - MedMPAnet Project, Tunis: 29 pages.

- The fourth national report about implementation of biodiversity agreement. Convention on biological diversity (CBD) and Environmental general authority (EGA) Libya. 2010.
- **Shakman** 2010 National document of Libya aiming at the identification of important ecosystem properties and assessment of ecological status and pressures to Mediterranean marine and coastal biodiversity in Libya. CONTRACT n°62/RAC/SPA_2009
- Scientific study for aquaculture site selection on eastern region of Libya 6-4-99, 20.2.2002.
- Final report Blue fin tuna (*Thunnus thynnus*) in Libya, 2001 and 2002. MBRC – Libya and ICCAT.
- Artisanal fisheries in Libya census of fishing vessels and inventory of Artisanal fishery metiers. FAO / COPEMED. MBRC. 2000.
- Ecological study about the influence of industrial water waste on the coast of Abukamash (Libya) chemical compound 99-2000.

Public scientific service

I have reviewed manuscripts for Acta Ichthyologica and Journal of the Marine Biological Association United Kingdom and Turkish journal of fishery science and Mediterranean marine science (MMS) journal

Workshops

- Genetic study of the rabbitfish *Siganus luridus* Ruppell, 1828 and *Siganus rivulatus* Forsskal 1775 (Teleostei: Siganidae). MBRC. 11-12 march 2007, workshop on marine biotechnology-Libya.
- Fishery and fishes of the south Mediterranean Sea (Libyan coast). Allgemeine & Spezielle Zoologie, Rostock University, Germany. 24.01.2008.
- Planning for Sustainable Fisheries in MPAs, MedPAN South & MedMPAnet, October 04 – 11, 2010, Kas, Turkey.
- GFCM workshop on age determination of Elasmobranchs, held in Antalya – Turkey October – 2012

- Workshop on site selection, allocated zones for aquaculture and site management for coastal marine aquaculture (WGSC-SHoCMed) ,M'Diq (Morocco) 4 -7 February 2013
- National Consultation Workshop, updating the CEPF Ecosystem Profile for the Mediterranean Basin, October 18, 2016 – Tunis
- Workshop on the Lionfish in the Eastern Mediterranean Sea: New problems, new solutions (Distribution, Eradication & Utilization) Grand Haber Hotel, Kemer - Antalya, TURKEY; 09-10 February 2017
- Workshop on Science Policy Interface (SPI) strengthening for the implementation of the UNEP/MAP IMAP in relation to Marine Litter, Biodiversity & fisheries, Hydrography, with a focus on the Risk Based Approach (RBA) for monitoring. in Madrid, Spain on 2 March 2017
- Workshop of validation of the national monitoring programme on biodiversity in Libya. In Tunis (Hotel Carthage Thalasso Ressort, Gammarth) on 18 and 19 April 2017
- Joint Workshop on Science Policy Interface (SPI) strengthening and Ecosystem Approach Coordination Group Meeting on IMAP scales of monitoring and assessment. Nice, France, on 27th and 28th April 2017
- Joint GFCM-UN Environment/MAP Sub-Regional Pilot Study for the Eastern Mediterranean on Non-Indigenous Species in Relation to Fisheries - Chania, Crete (Greece), 5 March 2018.
- Workshop on marine invasive species management in Mediterranean marine protected Areas Cyprus 24 to 26 April 2018.
- “Post-2020 SAPBIO Ionian Sea-Central Mediterranean Sub-regional Workshop” on Wed. March 03, 2021

International conferences

- Middle Eastern biodiversity congress, Aqapa – Jordan 20 – 23 october 2008, poster about invasive species of Libya.
- 24th conference of the European cetacean society, Stralsund 2010 Germany, paper about dolphin in Libya.

- 2nd conference of Franco – Maghrebian of Zoology and Ichthyology Jierjes 10 – 14, 2010 , Tunisia
- First international conference on biodiversity of the aquatic environment, towards a diverse and sustainable world, Lattakia, Syria – 13 – 15 December 2010, paper about *Siganus* sp. In Libya
- 2nd Djerba international Mediterranean Environment Sustainability conference, Tunis, 22 – 25 April 2012. Paper about exotic fish species
- 3th conference of Franco – Maghrebian of Zoology and Ichthyology Marrakech 6 – 10, 2012 , Morocco
- International Conference on Oceanography & Sustainable Marine Production: A Challenge of Managing Marine Resources under Climate Change Kuantan-Malaysia, 28-30 October 2013
- Les XVe Journées Tunisiennes des Sciences de la Mer & La 3^{ème} Rencontre Tuniso-Française d'Ichtyologie 14–17décembre 2013 À MAHDIA (TUNISIE)
- International Congress on "Estuaries and Coastal Marine Protected Areas" ECPA 2014 (Izmir –Turkey)
- 4th conference of Franco – Maghrebian of Zoology and Ichthyology Korba 6 – 10, 2014 , Tunis
- Les XVI^{èmes} Journees Tunisiennes des Sciences de la Mer du 19 au 23 Decembre 2015
- 41th conference of CIESM – in Kiel, 12 - 16 – September - 2016 Germany.
- Les XVII^{èmes} Journees Tunisiennes des Sciences de la Mer du 18 au 21 Decembre 2017. Sfax – Tunis
- Le 6e Congrès franco–tunisien de zoologie, le 6e Congrès franco–maghrébin de zoologie et les 118es Journées annuelles de la Société zoologique de France se tiendront à Paris du 21 au 23 novembre 2018

- Fishforum 2018. Forum on fisheries science in the Mediterranean and black sea. 10 – 14 Dec. 2018, FAO headquarters, Rome – Italy
- Marine key habitats and NIS symposia – Antalya – Turkey, 14 – 18 January 2019

Employment history

- Director of the Office of Graduate Studies and Training, Faculty of Science, University of Tripoli (February - 2018)
- Head of Graduate Studies and Training Administration in the Tripoli University (September - 2018)
- 2012 Member of scientific committee in marine biology research center – Libya
- 2010 Scientific Consultant in Environment general authority – Libya
- Member of scientific committee and Organizing committee in the 4th conference of Franco – Maghrebian of Zoology and Ichthyology Korba 6 – 10, 2012, Tunis
- Member of CIESM Tropical Signals Program: monitoring macrodescriptor species of climate warming. (<http://www.ciesm.org/marine/programs/tropicalization.htm>)
- Member of scientific committee in 1st National conference on marine and groundwater pollution, 26 – February -2017 – Tripoli – Libya
- 1993-1998 Assistance staff in Zawia University, Biology Department, Libya.
- 1998-2002 Researcher in Marine Biology Research Center, fish biology department. Tripoli – Libya.
- 2002 Lecturer in Zoology department Tripoli University, Tripoli - Libya.
- 2012 Assistant professor in Zoology department Tripoli University, Tripoli - Libya.

- 2016 Associate professor in Zoology department Tripoli University, Tripoli - Libya.
- 2010 Head of Oceanography branch in zoology department, Tripoli university
- 2015 Head of Higher Studies and Training Administration – Al-Jfara University
- 2015 Head of Zoology department – Al-Jfara University

Current Study (Grants)

- Invasive marine species of the Libyan coast, (**granted by NASR- Libya**)
- Ecology and biology of some flowing water ecosystems in eastern part of Libya, (**granted by NASR - Libya**)
- DELER, (**granted by EU**)
- Sustainability of fishing in Farwa Lake (**Critical Ecosystem Partnership Fund (CEPF)**)

Courses that I have been teaching

- General zoology, Marine biology, Fishery, Fish biology, Aquaculture, Aquatic environment, Oceanography
- Good experience in some statistical and computer programs related to marine science

Supervision

- Six Msc. Students in different topics of marine science (Tripoli University)
 - 1- Biological aspects of *Scorpaena scrofa* Linnaeus, 1758 in the western coast of Libya (Saloa Shahrani, 2013)
 - 2- Biological aspects of *Scorpaena porcus* Linnaeus, 1758 in the western coast of Libya (Kahrema Kendalla, 2014)

- 3- Biological aspects of Alien fishes *Siganus luridus* (Rüppell, 1829) and *Siganus rivulatus* (Forsskål, 1775) and Native fish *Sarpa salpa* (Linnaeus, 1758) in the western coast of Libya (Samia Al – Razagi, 2017)
- 4- Parasites of herbivorous fishes *Siganus luridus* (Ruppell , 1829), *Siganus rivulatus* (Forsskal , 1775) and *Sarpa salpa* (Linnaeus , 1758) and their impact on the western coast of Libya (Zaineb Abdelnor, 2017)
- 5- Parasites of invasive fishes and their impact on the western coast of Libya (Khuloud Salem, 2017)
- 6- Biological aspects of *Mustelus mustelus* (Linnaeus, 1758) (Chondrichthyes: Triakidae) in the western coast of Libya (Akraam Faraj Kara, 2018)

Activities

- Member of the Libyan oceanography society (LOS)
- Member of the Libyan Biological society (LBS)
- Head of the Libyan Society of Artisanal Fishery Friends, (LSAFF)
- Member of Zoological Society of France (ZSF)