

BIOGRAPHICAL SKETCH

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Education: Poona University, India, BSc 1982, Zoology
Marathwada University, India, MSc 1985, Zoology and Fishery Science
Marathwada University, India, PhD 1990, Zoology and Fishery Science

Professional Positions and Experience:

1992-2004 Assistant Professor, Jordan University and Marine Science Station
1998-2000 Curator, Marine Science Station Aquarium
2004-present Director, Marine Science Station
2006-present Associate Professor, Jordan University and Marine Science Station

Publications most closely related to the proposed research:

- Khalaf M.A.** and A.M. Disi. 1997. *Fishes of the Gulf of Aqaba*. Publication of the Marine Science Station, No.8, 252 pp
- Khalaf M.A.** and M. Kochzius. 2002. Community structure and biogeography of shore fishes in the Gulf of Aqaba, Red Sea. *Helgol Mar Res* 55:252-284.
- Khalaf M.A.** and M. Kochzius. 2002. Changes in trophic community structure of the shore fishes at an industrial site in the Gulf of Aqaba, Red Sea. *Mar Ecol Prog Ser* 239:287-299.
- Khalaf M.A.** and M. Abdalla. 2005. Community structure of butterflyfish in the Red Sea and Gulf of Aden. *Aquatic Conservation* S77-S89.
- Khalaf M.A.** and M. Crosby. 2005. Assemblage structure of butterflyfish and their use as indicators of Gulf of Aqaba benthic habitat in Jordan. *Aquatic Conservation* S27-S43.
- Khalaf M.A.**, Al-Horani F.A., Al-Rousan S.A. and R.S. Manasrah. 2006. Community structure of the family Pomacentridae along the Jordanian coast, Gulf of Aqaba, Red Sea. *Zoology in the Middle East* 37: 47-62.

Significant other related publications and reports:

- Al-Horani F.A., Al-Rousan S.A., Al-Zibdeh M. and **M.A. Khalaf**. 2006. Status of coral reefs in the Jordanian coast of the Gulf of Aqaba- Red Sea. *Zoology in the Middle East* 38: 99-110.
- Al-Rousan S., Rasheed M., **Khalaf M.A.** and M. Badran .2005. Bottom habitat and biological characteristics of the Jordanian northern Gulf of Aqaba. *Chemistry and Ecology* 21/4:227-239.
- Khalaf M.A.** and F. Krupp. 2003. Two new records of fishes from the Red Sea. *Zoology in the Middle East* 30: 55-59.
- Randall J.E. and **M.A. Khalaf**. 2003. Redescription of the labrid fish *Oxycheilinus orientalis* (Günther), a senior synonym of *O. rhodochrous* (Günther), and the first record from the Red Sea. *Zoological Studies* 42 (1):135-139.
- Kochzius M., Soller R., **Khalaf M.A.** and D. Blohm. 2003. Molecular phylogeny and biogeography of lionfishes (Scorpaenidae, Pteroinae) based on mitochondrial DNA sequences. *Mol Phyl Evol* 28:396-403.

Publication summary: refereed journal articles: 22
Reports and manuals: 5

Extramural Funding History:

Red Sea Program for Marine Science. Bundesministerium für Bildung und Forschung (BMBF) - Germany. 1999-2003. 20,000 Euros.

Artificial reef project, Middle Eastern Regional Cooperation (MERC) program of USAID. 2006-2008. \$173,000.

Developing Marine Aquarium for Public Awareness. Global Environment Facility Program. 2005-2007. \$50,000.

Synergistic activities and skills:

Consultant on regional projects: Jordan National Monitoring Program for coral reefs and benthic habitat; Protection of the Environment in the Red Sea and Gulf of Aden (PERSGA); National Action Plan for the Conservation of Coral Reefs, Jeddah-Saudi Arabia; Red-Dead Sea conduit project, marine biological component; Coral Reef Mapping, middle and southern port areas in Jordan; Volunteer monitoring and education/outreach: Butterflyfish as ambassadors of coral reef health in the northern Red Sea (key science advisor and co-PI); Current status of ornamental trade: collection practices, export, conservation issues and managements in the Red Sea and Gulf of Aden; Jordan country study on biological diversity, United Nations Environment Programme (UNEP).

Professional fellowships: Senckenberg Museum and Center for Marine Tropical Studies, Bremen, Germany, on scientific cooperation for taxonomy of fishes collected from Socotra, Yemen, 1997-2003; Stanford University, USA, Development of scientific cooperation for physical oceanography program, 2004.

Organizer of regional symposia and workshops: Middle East Regional Science Symposium and Workshop: Butterflyfish (Family Chaetodontidae) Research and Monitoring, June 19-20, 2002, Aqaba, Jordan. Co-Chairs: *Dr. Maroof Khalaf – MSS & Dr. Michael P. Crosby – NOAA*; Red Sea Program (RSP). 1999. Identification course on marine organisms for Jordanian, Israeli, and German students. June 11-22nd. Course coordinators: *Maroof A. Khalaf & Salim Al-Moghrabi*.

Speaker at international conferences: Aspects of growth and reproductive biology of six planktivorous fishes from the Gulf of Aqaba-Jordan. International Coral Reef Symposium, 2000, Bali, Indonesia; Migrant, exotic and endemic fish species of the Jordanian Gulf of Aqaba, Lebanon fish conference; Status of the ornamental fish trade in the Red Sea and Gulf of Aden, Seventh Indo-Pacific Fish Conference, Taipei, Taiwan.

Scuba diving experience: CMAS and Advanced open water diver PADI, Jordan (Aqaba), Egypt (Ras Mohamed, Al-Tour, Hurgada), Saudi Arabia (Jeddah, Uthur, Lith), Yemen (Red Sea coast and Socotra Archipelago in the Indian Ocean) and Djibouti.

Languages: Arabic, native; English, excellent, communication and written; German, fair communication.

Active Collaborators:

Michael Crosby, National Science Foundation, USA; Marc Kochzius, Department of Biotechnology and Molecular Genetics, Bremen University, Germany; Menachem Goren, Department of Zoology, Hebrew University, Israel; Nadav Shashar and Avi Baranes, Interuniversity Institute for Marine Science, Eilat, Israel; Friedhelm Krupp, Senckenberg Museum, Germany.

Graduate Students:

Tawfiq Froukh (Bremen University, Germany), Nidal Odat (Senckenberg Museum, Germany), Salam El-Labadi (Royal Society for the Conservation of Nature, Amman, Jordan).