

Current Position	Associated Professor - Tishreen University Director of Biology section - High Institute of Marine Research- Tishreen University
Personal Information	<ul style="list-style-type: none"> ◇ Marital status –F\ Single ◇ Birth Place - Lattakia ◇ Nationality - Syria
Languages	<ul style="list-style-type: none"> ◇ <u>Arabic</u> - native speaker ◇ <u>English</u> - good (speaking, reading & writing) ◇ <u>German</u> - fluent (speaking, reading & writing)

**Feirouz Darwich, PhD**

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Lattakia, Syria

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darwichfeirouz68@hotmail.com**EDUCATION**

- 2002- 2006** **Ph.D:** Marine Biology, Faculty of Mathematics and Natural Sciences, University of Rostock\ Institute for Baltic Sea Research - Germany
Dissertation title: *Growth of the diatoms under different nutrient concentrations and ratios*
- 1995 - 1998** **M.Sc:** Marine Biology, High Institute of Marine Research, Tishreen University - Syria:
Thesis title: *Contribution to the examination of phytoplankton in the coastal waters of Baniyas*
- 1992 – 1993** **Dipl.** in Natural Sciences "Aquatic Environment", Tishreen University
- 1988 – 1991** **B.Sc.:** Biology, Faculty of Natural Sciences, Department of Biochemistry, Tishreen University - Syria.

ACADEMIC APPOINTMENTS

- 2014 - present **Associate Professor** High Institute of Marine Research (HIMR), Tishreen University - Syria
- Current Research & Research Interest
- Growth of diatoms under different Si:N-ratios, Contract (No. 196/2009), HIMR
 - Qualitative and quantitative study of biotoxins in Syrian-Lebanese marine ecosystem, their accumulation impact through the food chain, Contract (No. 54/2011), HIMR

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- Syrian algae and their production of biofuel. Higher Commission for Scientific Research
 - Isolation, Aquaculture & some Biochemical Characteristics of different species of phytoplankton. Mesocosm-Batch culture Experiments. HPLC-methods.
 - Toxic phytoplankton, Red Tide, Eutrophication
 - Biology of Molecular Plant
- 2007-2013 **Senior Lecturer**
High Institute of Marine Research, Tishreen University - Syria
- 2001 – 2006 **Delegated PhD Student**
Institute of Baltic Sea Research, University of Rostock, Rostock - Germany
- 1995 – 2001 **Teaching Assistant**
High Institute of Marine Research, Tishreen University - Syria

TEACHING APPOINTMENTS

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- 2014-Present *Biology of Benthos*,
Master Degree - Marine Biology, Level 1, HIMR,
Tishreen University – Syria
- 2010-Present *Marine Environment and sustainable Management of Natural Resources*,
Master Degree - Marine Aquaculture, Level 1, HIMR,
Tishreen University – Syria
- 2007-Present *Biology of Plankton*,
Master Degree - Marine Biology, Level 1, HIMR,
Tishreen University – Syria
- 2008-2012 *Live Stocks and Sustainable Management of Natural Resources*,
Master Degree - Marine Biology, Level 1, HIMR,
Tishreen University, Syria
- 2007-2010 *Marine Environment and Pollution*,
Master Degree - Marine Chemistry, Level 1, High Institute of Marine
Research, Tishreen University, Syria

MEMBERSHIPS

- Since 2010: The committee of Management of Ballast Water, Lattakia – Syria

FURTHER QUALIFICATIONS

IT Skills: Microsoft Office (Word, Excel, PowerPoint), Adobe Photoshop, Adobe Illustrator, SPSS

Laboratory Experiences: Nutrients analysis, Phyto- and Zooplankton classification, Incubation/Culturing Experiments.

SUPERVISED DISSERTATIONS

- Influence of nutrients (NO₃, PO₄, SiO₄) on the growth of phytoplankton in Lattakia marine water- HIMR, Marine Aquaculture, MSc. student Nawar Suliman, 2010-2013.
- Nutrients distribution in variable coastal waters and the effect of hydrochemical properties- HIMR, Marine Chemistry, MSc. student Samar Julak, 2010-2013.
- Biological and ecological study of *Ruditapes decussatus* (Molusks) for using in aquaculture- HIMR, Marine Biology, MSc. student Helen Tayar, 2011-2014.
- Study of the effect of some hydrochemical characteristic of coastal water on the chlorophyll pigments in the port of Lattakia city- HIMR, Marine Chemistry, student Hana Reslan, 2011-2014.
- Study of the horizontal and vertical changes of phytoplankton and silicate concentrations at Lattakia costal water- HIMR, Marine Biology, MSc. student Ranim Makhous, 2014.
- Surveying the Nutrients status in the littoral waters of Baniyas area- HIMR, MSc. student Magd Suliman, 2014.
- Evaluating the metallothionein as biomarkers on the pollution of microzooplankton in Lattakia coastal water, HIMR- Marine Biology, Phd. student Nizar deeb, 2015.
- Dynamics of nutrient elements in different forms (organic and inorganic) and relationship with some metal elements in Lattakia water, HIMR- Marine Chemistry, Phd. student Samar Julak, 2016.
- Study of the temporal and spatial changes of phytoplankton at Baniyas costal water- HIMR, Marine Biology, MSc. student Rahaf Almerey, 2018.

ASSESSMENT OF DISSERTATIONS

- Member in a Jury of Master dissertation: Artemia culture and the study of its life cycle and some biological characteristics. HIMR, student Ayham Elias Jaboor, 2014
- Member in a jury of Doctor Dissertation: Biodiversity of Algae at Lattakia coastal water, HIMR, student Hadil Arraj, 2016.

- Member in a jury of Master Dissertation: A contribution in studying specific and biochemical composition of planktonic Gnidaria in Lattakia coastal water, HIMR, student Rim Ebrahim, 2018.

WORKSHOPS AND SEMINARS

- Marine oil pollution in the Mediterranean, Lattakia, Syria, 1998
- Coastal Marine Modelling, Helsinki, Finland, 1998
- Marine Eutrophication, Measures and Management, Summer school, Askoe, Sweden 2002
- Standard Data-entry Form for National Inventories of Natural Sites of Interest (SDF) , Tishreen University, Lattakia, Syria, 2007
- National Seminar on the Ballast Water Management Convention, The General Directorate of Ports, Lattakia, Syria, 2010
- The latest development in the Ballast Water Management, HIMR, Tishreen , 2010
- Marine resources and sustainable development, HIMR, Tishreen University, 2012
- Biodiversity in Syrian coastal water, Tishreen University, 2016

CONFERENCES

- SIEBER: Silicate and Baltic Sea Ecosystem Response, Warnemünde-Rostock, Germany, 2002
- Development of diatom populations from winter to spring in relation to dissolved silicate concentration, nutrient ratios and hydrological properties, SIEBER-Meeting, Stockholm, Sweden, 2003.
- Development of diatom populations from winter to spring in relation to dissolved silicate concentration, nutrient ratios and hydrological properties, SIEBER-Meeting, Stockholm, Sweden, 2003.
- Rapid Urbanization and Land Use Conflicts in Coastal Cities, Aqaba, Jordan, 2007
- Days of environmental sciences, Damascus, Syria, 2012
- Biodiversity conservation and protected Area Management Project, Tishreen university, Lattakia, 2016
- Coastal Environment between development challenge and Pollution danger. Tishreen university, Lattakia, 2016

PUBLICATIONS

- 1) Darwich, F., Hammud, N., 1999. Taxonomic study of the Phytoplankton in the coastal water of Baniyas. *Journal of Tishreen University for Scientific Researches* . Vol. 11: 135-145.
- 2) Nawar, S., Darwich, F., 2012. Influence of nutrients on phytoplankton growth in Lattakia coastal water. *Journal of Tishreen University for Scientific Researches*. Vol. 24: 55-67.
- 3) Darwich, F., Hassan, M., 2012. The Influence of silicate to Nitrate ratio on the diatoms growth at two stations located in the northern part of Lattakia coastal water. *Journal of Tishreen University*. Vol. 25: 100-117.
- 4) Darwich, F., 2013. Study of Diatom's abundance changes and silicate uptake using an enrichment experiment. *Journal of Tishreen University for Scientific Researches*. Vol. Vol. 26: 44-58.
- 5) Krawi, H., Darwich, F., Julak, S., 2013. Study dissolved nutrients (SiO_4 , PO_4 , NO_3 , NO_2 , NH_4) behavior along the salinity gradient at the AL-sin river mouth (Mediterranean-Syria). *Journal of Tishreen University for Scientific Researches*. Vol. 27: 25-42.
- 6) Ammar, E., Darwich, F., Tayar, H., 2013. Biological and ecological study of *Ruditapes decussatus* (Molusks) for using in aquaculture. *Journal of Tishreen University*. Vol. 27: 88-101.
- 7) Darwich, F., 2014. Study of diatoms behavior in Mesocosm experiments in Lattakia coastal water, *Journal of Aleppo University*. Vol. 51: 61-77.
- 8) Darwich, F., Hassan, M., 2014. Lab study of the Si:N ratio variations on the specific composition of phytoplankton. *Journal of Tishreen University for Scientific Researches*. Vol. 29: 103-114.
- 9) Darwich, F., Layka, H., Ressler, H., 2014. Study of the effect of hydrocarbon pollutants (aromatic and aliphatic) on phytoplankton in the port of Latakia. *Journal of Tishreen University for Scientific Researches*. In publish.
- 10) Krawi, H., Darwich, F., Selman, M. Study of temporal and spatial changes of nutrients concentration in Baniyas coastal water 2018. *Journal of Tishreen University*. Vol. 39: 88-101-5.
- 11) Occurrence of the toxic dinoflagellate *Ostreopsis cf. ovata* in relation with environmental factors in coastal water of Lattakia. *Journal of Aleppo University*. Vol. 53: 51-67.
- 12) Krawi, H., Darwich, F., Julak, S., 2018. Behaviour of dissolved nutrients (SiO_4 , PO_4 , NO_3 , NO_2 , NH_4) along the salinity gradient at the AL-sin river mouth (Mediterranean-Syria). *Journal of Tishreen University for Scientific Researches*. Vol. 40: 25-42.
- 13)