Dr. Arya P. Mohan

Designation: Assistant Professor

Qualification: M.Sc., Ph.D.

Area of Specialization: Ecology and Phycology

Email (official): draryapmohan@teresas.ac.in

Profile in Detail

Academic records

- Ph.D. Studies on Autotrophic Pico and Nano Plankton from Indian Waters, National Institute of Oceanography,RC-Kochi,2019
- M.Sc. Botany, St. Peter's College,Ernakulam,2010
- B.Sc. Botany, St. Peter's College,Ernakulam,2008

Professional/Teaching Experience

- **St. Teresa's College, Ernakulum**

Assistant Professor 2019- to present

- **National Institute of Oceanography**

Research Assistant 2010 to 2016

Marine Science, Laboratory Assistance, Sample analysis, Report writing and Publications.

Research Experience & Expertise

The research work included extensive collection of water samples from estuarine and off shore Indian waters. The physico-chemical and biological analysis of water samples from Study areas viz. Cochin Backwaters, Coastal waters off-Kochi, Gulf of Mannar and the Palk

Bay and Bay of Bengal using most advanced techniques. Total 10 years of research experience

Administrative responsibilities and Positions held in College

- M.Phil. co-ordinator
- Quiz Club staff advisor
- Central instrumentation facility in charge
- Counselling cell coordinator of the Department
- STAR programme coordinator of the Department
- BMC – social forestry coordinator

Extension activities

- Coordinated the activities of TROP at Hill palace
- Coordinated the activities of Organic farming and mushroom cultivation
- Coordinated the activities of the BMC and Department – Social forestry

Research Projects Undertaken

- Phytoplankton Accessory Pigments, its Bioactivity and Potential Medical Applications, 50,000/-, Management Aided Research Grant, St. Teresa's College, Ernakulam St. Teresa's college.

Publications in peer reviewed national/international journals

1. **Mohan, A. P.,** and Biju. A., (In press). Response of autotrophic picoplankton to the hydrographical changes in the coastal waters of Off-Kochi, Southwest Coast of India. CBM-Cahiers de Biologie Marine. 61-6

2. **Mohan, A. P.,** Jyothibabu, R., Jagadeesan, L, Lallu, K. R, & Karnan, C. (2016). Summer monsoon onset-induced changes of autotrophic pico- and nanoplankton in the largest monsoonal estuary along the west coast of India. Environmental Monitoring and Assessment, 188-93.

3. Jyothibabu, R., Madhu, N. V., Jagadeesan, L., Anjusha, A., **Mohan, A. P.**, & Ullas, N. (2014). Why do satellite imageries show exceptionally high chlorophyll in the Gulf

of Mannar Palk Bay during the northeast monsoon? Environmental Monitoring and Assessment, 186 (11), 7781-7792.

4. Jyothibabu, R., **Mohan, A. P**., Jagadeesan, L., Anjusha, A., Muraleedharan, K. R., Lallu, K. R., Kiran, K., & Ullas, N. (2013). Ecology and trophic preference of picoplankton and nanoplankton in the Gulf of Mannar and the Palk Bay, southeast coast of India. Journal of Marine Systems, 111, 29-44.

5. Anjusha, A., Jyothibabu, R., Jagadeesan, L., **Mohan, A. P.**, Kiran, K., Ullas, N., Deepak, M. P. (2013).Trophic Efficiency of Plankton Food Webs: Observations from the Gulf of Mannar and the Palk Bay, Southeast Coast of India. Journal of Marine Systems, 115-116, 40-61.

6. Jagadeesan, L., Jyothibabu, R., Anjusha, A., **Mohan, A. P.**, Madhu, N.V., Muraleedharan, K. R., Sudheesh, K. (2013). Ocean currents structuring the mesozooplankton in the Gulf of Mannar and the Palk Bay, southeast coast of India.Progress in Oceanography, 110, 27-48.

International Book

1. An Introduction to autotrophic pico plankton. Lambert Academic publication ISBN-978-620-2-52241-0

Faculty development programs attended

(Orientation/Refresher Course/Workshop/Short term)

Two-week Faculty development program (Managing online classes and co-creating MOOCS-20 April-May 6-2020) conducted by Ramanujan College, University of Delhi.

Arya P. Mohan

4/11/2020