

Research Program “Biogeochemistry of Nutrients and Trace Elements of Indo-Pacific Convergent Area and its Impacts on Biodiversity” Recruiting for Master/Ph. D Candidates

About us

Welcome to Marine Biogeochemistry Research Group at State Key Laboratory of Estuarine and Coastal Research (SKLEC) of East China Normal University (ECNU) at Shanghai, is a municipality of 24 million populations, of the largest port and one of the world's vital financial centers. Welcome to Shanghai!

Our research group keeps close cooperation with Pakistan, Thailand, Bangladesh, Malaysia, Russia, and Tanzania, etc. We have recruited international students from India, Pakistan, Tanzania, Thailand, Bangladesh and postdoctoral fellows from Croatia to join our research group in the past years. Our group mainly focuses on:

- 1) Trace elements and stable isotopes in seawater and estuaries
- 2) Carbon cycling and biomarker research
- 3) Nutrients and stable isotopes in coastal environments
- 4) Biodiversity and evolutionary responses of marine species to palaeo-geologic events, climatic changes and anthropogenic activities
- 5) Coral symbiosis model and marine biogeochemical model

Instruments and facilities used in the laboratory mainly include:

- Trace Elements Clean Laboratory
- Multi-Collector Inductively Coupled Plasma Mass Spectrometer (MC-ICPMS)
- Stable Isotope Ratio Mass Spectrometer (IR-MS)

About the Research Program

Since 2021, we initiated a key research project, titled “Biogeochemistry of Nutrients and Trace Elements of Indo-Pacific Convergent Area and its Impacts on Biodiversity”. In this project, we focus on the biogeochemistry of nutrients and trace elements and intend to combine the water parcel tracking and time-series measurements in observational strategy. We hope to reach a better understanding on how chemical elements in this area regulate the ecosystem function that eventually affects the carbon budget. The results will provide further evidences on the chemical element transport and transformation between the Indian and Pacific Oceans. Our project seeks for close collaboration with researchers from Indo-Pacific Convergent Area such as Indonesia, Malaysia and Papua New Guinea, etc. And welcome students from this Area to join us.

Recruitment Requirement

- Required full-time postgraduates (Master, Ph.D)
- Master/ Bachelor degree in marine science, chemistry, biology, ecology and other related disciplines
- Publication records during Master stage
- Cooperation and teamwork
- Field survey experience

Supervisors list

Name	Major	E-mail	Personal homepage	Enrollment
Jing Zhang	Marine Chemistry	jzhang@sklec.ecnu.edu.cn	https://www.researchgate.net/profile/Jing-Zhang-583	Master/ Ph.D student since 2022-2024
Lijun He	Marine Biology, ecology	ljhe@sklec.ecnu.edu.cn	http://english.sklec.ecnu.edu.cn/Staff/HeLiJun	Master student since 2022-2024
Shan Jiang	Marine Chemistry	sjiang@sklec.ecnu.edu.cn	https://www.researchgate.net/profile/Shan-Jiang-31	Master student since 2022-2024
Yi Xu	Physical Oceanography	xuyi@sklec.ecnu.edu.cn	https://www.researchgate.net/profile/Yi-Xu-65	Master student since 2023-2024
Ying Wu	Marine Chemistry	wuying@sklec.ecnu.edu.cn	https://www.researchgate.net/profile/Ying-Wu-14	Master/ Ph.D student since 2022-2024

How to join us this year?

If you decide to join our research group, please contact **Dr. Shan Jiang** (sjiang@sklec.ecnu.edu.cn). Afterwards, please prepare **a cover letter** explaining your relevant experience and interest in the position, **CV with two academic references**, and **university transcripts**. If you decide to apply for the scholarship, detailed information as bellows:

Scholarship Type	Website	Contents	Deadline
Chinese Government Scholarship Type B	http://lxs.ecnu.edu.cn/EN/msg.php?id=31	Monthly Stipend with 3500 RMB (Ph.D) and 3000 RMB (Master) , our research group could provide extra annual award according to the contribution to the project.	Mar. 31, 2022
Shanghai Municipal Government Scholarship Type A	http://lxs.ecnu.edu.cn/EN/msg.php?id=36	Monthly Stipend with 3500 RMB (Ph.D) and 3000 RMB (Master) , our research group could provide extra annual award according to the contribution to the project.	May 15, 2022

How to apply for the Scholarship?

- Master's Program (2-3 years): <http://lxs.ecnu.edu.cn/EN/msg.php?id=44>
- Ph.D's Program (4 years): <http://lxs.ecnu.edu.cn/EN/msg.php?id=45>