

Open call for 2 PhD student positions at Institute of Oceanology Polish Academy of Sciences in Sopot, Poland, in Polish National Science Centre funded project

Position: **PhD Student, 2**

Institute: Institute of Oceanology Polish Academy of Sciences (<http://iopan.gda.pl/>)

Location: Sopot, Poland

Supervisor: Dr Monika Kędra, Assoc. Prof. (<http://www.iopan.gda.pl/ekologia/monika.html>)

Collaboration: Dr Emma Michaud (Laboratory of Marine Environmental Sciences - LEMAR, France; https://www.researchgate.net/profile/Emma_Michaud)

- **Project main objective: To study seasonal changes in environmental gradients, further modified by the anthropogenic impacts, influence on benthic communities, their trophic relations and functioning, and related implications for C, N, P fluxes, in the shallow southern Baltic Sea**

Tasks description:

PhD students are expected to work within the Polish National Science Centre funded project: Coastal Ecosystem functioning under different anthropogenic pressure - linking Benthic communities And biogeochemical Cycling in the southern Baltic Sea (COMEBACK), in collaboration with the Laboratory of Marine Environmental Sciences (LEMAR, France).

The successful candidates are expected to work on the following issues:

- take part in cruises and field work
- perform *ex situ* experiments including simultaneous measurements of sediment oxygen demand, nutrient fluxes at the sediment-water interface, and bioturbation processes
- perform ecological (benthic meio- and macrofauna community structure) and biogeochemical analysis on bulk sediments and solutes (organic matter, nutrients and carbon)
- analyze ecological and biogeochemical data, including use of statistics
- work with other team members involved in the project
- present results of work during seminars and scientific conferences
- write high quality scientific articles as part of PhD thesis.

Requirements:

- To be considered for this position, the applicants should possess a master degree in the area of oceanography, marine ecology, biology and biogeochemistry or related disciplines.
- The candidates should have good knowledge on the ecology of benthic organisms and/or marine biogeochemical processes including carbon and nutrient cycling.
- The candidates should be able to work in an interdisciplinary team, willing to solve scientific problems and to face new challenges.
- Good verbal and writing skills in English are required.
- Experience in field and sea work is welcome (cruises, biogeochemical benthic fluxes, bioturbation quantification).
- Experience in ecological and chemistry laboratory work including benthic fauna community analysis, carbon and nutrients analysis will be additionally valued.

Deadline: 2018-07-31

Application should be submitted to: kedra@iopan.gda.pl and office@iopan.gda.pl

Salary: Candidate will receive a scholarship of 3000 PLN (tax free) at Institute of Oceanology PAN over 36 months.

Additional information:

Candidate must become a PhD student (by October 2018).

Additional questions can be sent to project PI: kedra@iopan.gda.pl

Documents required:

- 1) Motivation letter (in English)
- 2) Detailed CV (in English) with a list of the papers;
- 3) Copy of diploma;
- 4) References from supervisor;
- 5) Interview might be requested (via skype)