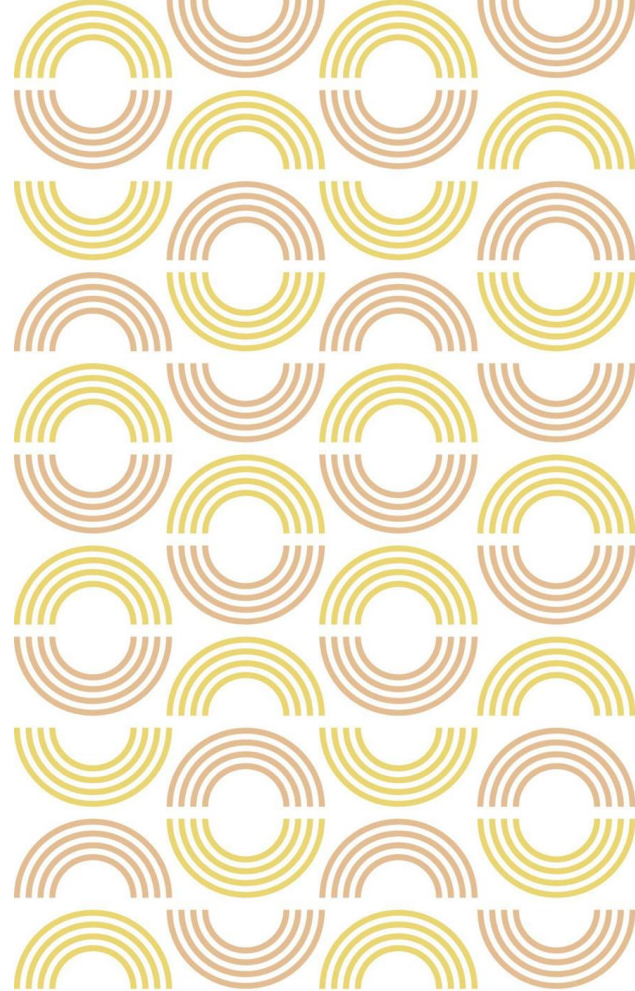# New method for the cleaning wastewater based on quaternized chitosan salts

Dr. Associate Professor Hasmik Khachatryan;

Scientific and Technological Center of Organic and Pharmaceutical Chemistry NAS RA
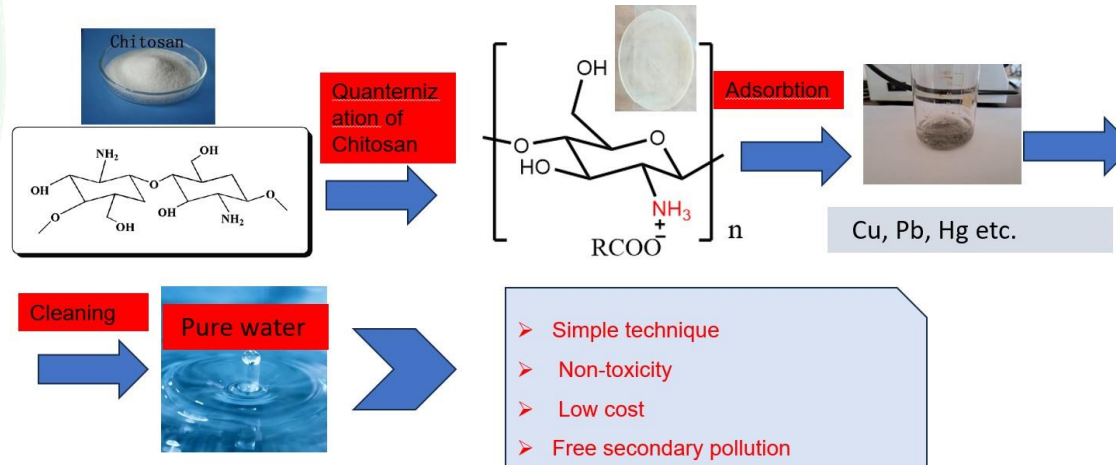
Topic(s) addressed:

- HORIZON-CL6-2024-BIODIV-02-1-two-stage: Demonstrating Nature-based Solutions for the sustainable management of water resources in a changing climate, with special attention to reducing the impacts of extreme droughts.
- HORIZON-CL6-2024-ZEROPOLLUTION-02-2-two-stage: Innovative technologies for zero pollution, zero-waste biorefineries.

Other topics of interest:

- HORIZON-CL6-2024-ZEROPOLLUTION-01-2: Best available techniques to recovering or recycle fertilising products from secondary raw materials

Project idea

● The prepared project is for the water treatment using quanternizaied chitosan salts to adsorb heavy metals. This method is exellient due to non toxixity, simplicity, inpensive, does not result secondary pollution.

Main expertise offered / sought

- EIF: Faculty research program, 2020, team member
- Falling walls lab in Armenia competition 2023, 3rd place
- Role in project (coordinator / partner)
- The requirements for additional partner(s) are *expertise sought, long term cooperation, applicability of their systems, utilizing obtained results for all partners.*

Contact details

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- Republic of Armenia