KubSU-USTC Membrane Science International Seminar 2023

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Date: June 24, 2023

**Time**: 9:00 - 13:40 (Moscow Time) / 14:00 - 18:40 (Beijing Time)

**Zoom:**

Location: Krasnodar (Russia) – Hefei (China)
Affiliation: Kuban State University and University of Science and Technology of China

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| Time  | Content | Host |
| 9:00-9:10 (Moscow Time)14:00-14:10 (Beijing Time) | Greetings  | Victor NikonenkoTongwen Xu |
| 9:10-9:40 (Moscow Time)14:10-14:40 (Beijing Time) | **Nikonenko V.**, Butylskii D., Mareev S., Ruleva V. Title: *Separation and concentration of electrolyte solutions by electromembrane methods, 21-49-00009* (30 mins) | Tongwen Xu |
| 9:40-10:10 (Moscow Time)14:40-15:10 (Beijing Time) | Baoying Wang, **Yaoming Wang**, Tongwen XuTitle: *Pore-filled ion-exchange membranes for electrodialysis,* *22061132003 (reg. 2201101405)* (30 mins) | Victor Nikonenko |
| 10:10-10:40 (Moscow Time)15:10-15:40 (Beijing Time) | **Pismenskaya N**., Rybalkina O., Solonchenko K., Gorobchenko A. Title: *How do proton-transfer reactions affect the behavior of anion-exchange membranes in salt solutions of a polybasic acids? 21-49-00009* (30 mins) | Yaoming Wang |
| 10:40-11:10 (Moscow Time)15:40-16:10 (Beijing Time) | **Chenxiao Jiang**Title: *Mathematical modeling of a donnan energy process, 22061132003 (reg. 2201101405)* (30 mins) | Natalia Pismenskaya |
| **Coffee break** 11:10-11:30 (Moscow Time) /16:10-16:30 (Beijing Time) |
| 11:30-11:50 (Moscow Time)16:30-16:50 (Beijing Time) | **Ponomar M.**, Ruleva V., Sarapulova V., Pismenskaya N., Nikonenko V.Title: *Comparative analysis of transport characteristics of commercial ion-exchange membranes, 21-49-00009* (20 mins) | Chenxiao Jiang |
| 11:50-12:30 (Moscow Time)16:50-17:30 (Beijing Time) | **Tingting Xu** Title: *Angstrom-scale Confined Ion Separation Membranes, 22061132003 (reg. 2201101405)* (30 mins) | M. Ponomar |
| 12:30-12:50 (Moscow Time)17:30-17:50 (Beijing Time) | **A. Kozmai**Title: *Is it possible to prepare a “super” anion-exchange membrane by a polypyrrole-based modification? 21-49-00009* (20 mins) | Tingting Xu |
| 12:50-13:10 (Moscow Time)17:50-18:10 (Beijing Time) | **A. Gorobchenko** Title:*Mathematical modeling of monovalent-ion permselectivity of a bilayer ion-exchange membrane as a function of current density, 21-49-00009* (20 mins) | Tingting Xu |
| **Discussion and Conclusions** 13:10- (Moscow Time) /18:10- (Beijing Time) |