



天津大学

Tianjin University

表层地球系统科学研究院

Institute of Surface-Earth System Science

Newsletter (bimonthly)

June 2018

The 8th Issue





Academic Seminar

May
03

Prof. FU Pingqing

Fluorescent biological aerosols in the atmosphere

Dr. MA Chuanxin

Understanding Engineered Nanoparticle Exposure to Plants: Toxicity and Applications

May
07

May
08

Dr. YIN Xijie

Study on nitrogen and oxygen isotopes of nitrate and ammonium salt in water by chemical transformation method

Dr. GENG Lei

Atmospheric reactive oxidized nitrogen chemistry and isotope effects

May
08

May
08

Dr. Shohei Hattori

Application of stable isotope measurements of nitrate/sulfate for atmospheric /cryospheric studies

Dr. SUN Shaobo

Study on carbon and water flux simulation of China's terrestrial ecosystem in recent 30 years

May
17

May
20

Dr. XIA Xinghui

The law of nitrogen transformation in sandy rivers

A/Prof. SUN Xinchao

Evapotranspiration process of forest and its response to thinning

May
31

June
01

Dr. XU Xingliang

Plant Nitrogen Acquisition and Soil Nitrogen Cycling

Dr. Yakov Kuzyakov

Competition between roots and microorganisms for N: Mechanisms & ecological relevance

June
01

June
29

Dr. WANG Zhengrong

A multiproxy approach to extract sea surface temperature from coral skeleton



Laboratory Construction

By June 30th:

- The Ultra-clean Chemistry lab is ready for the experiments except boron element. When HEPA filter is to be replaced in two weeks, another atmospheric dust test will be conducted, which decides when the boron related experiments can be taken here.
- The Lab for Organic Chemistry is open for use.
- The sewer pipes of the Lab for Inorganic Chemistry is expected to be overhauled by next week.
- The air volume of the fume hoods has been adjusted with all the requirements met. Steam acid test is being carried out, which will last 2 weeks. If the test result is good, all the acid-related fume hoods will be renovated accordingly, which may take another 2-3 weeks.

All the other public laboratories and instrument rooms have been open for use in the institute.

Graduate Admissions

In 2018 ISESS enrolls 33 master students and 18 doctoral students from Tianjin University, Nanjing University, Sichuan University, China University of Geosciences, etc. They are going to join the ISESS family in September!

Enrollment Campaign

In June, ISESS has participated in or organized 14 graduate admission campaigns, covering more than 20 key universities. Nearly 20 faculty members and student volunteers participated in the campaigns.



New Member

In the first half of 2018, 8 faculty members joined ISESS. They are:

Dr. YANG Meiling, Lecturer

Element coupled biogeochemistry and regulation mechanism of phytoplankton element coupling

Dr. FU Pingqing, Professor

Atmospheric aerosols, rain and fog waters at a molecular level

Dr. HU Wei, Associate Professor

Atmospheric microorganisms and atmospheric processes and aerosol chemistry and physics

Dr. Hui Henry TENG, Professor

Surface Chemistry of Natural Materials

Dr. CHEN Jiubin, Professor

(1) Environmental geochemistry of non-traditional stable isotopes (Hg, Zn, Cu, Fe);

(2) Biogeochemical cycle of heavy metal elements and human activity disturbances

Dr. CHEN Chongjuan, Lecturer

Environmental science and engineering

Dr. LIU Yi, Professor

Geochemistry and global change

Dr. GAO Man, Lecturer

Hydrology and water resources





Sports Meet

On May 19th, the 57th TJU sports meet kicked off. The institute participated in a number of events including long jump, relay race, long-distance race, and tug of war, etc. Well done everyone involved!

Good News

- 3 applications for international visiting scientists are funded by the State Foreign Expert Administration, and 2 applications for international exchange are funded by the university.
- Prof. LI Siliang receives HOU Defeng Award for Young Scientists in Mineralogy, Petrology and Geochemistry.
- ZHANG Jianchao, HAO Qian, and LI Lingzhi won the 2018 *TJU SHEN Zhikang Teaching Award*.
- ZHANG Jianchao is funded by 2018 Advanced Visiting Scholars Program and will depart for the University of Wyoming for joint research.
- Doctoral student SU Sihui is funded by 2018 Government-sponsored Overseas Study Program and will go to the University of Edinburgh for 1-year joint PhD. study.

Happy birthday to Hui Henry Teng, SUN Ruoyu, ZHANG Yonggen and ZHU Xiangyu in the coming July & August. May happiness always be with you!

