Overseas Outstanding Young Talents Program of China | Invitation to Join School of Earth Sciences and Engineering at Nanjing University

The School of Earth Sciences and Engineering at Nanjing University is a renowned center for geological research and talent cultivation with international recognition. The development of the school relies on the dedication of generations of faculty and students, and the recruitment of high-level young talents is crucial for building a strong academic community.

We sincerely invite outstanding young talents worldwide to apply for the 2024 Overseas Outstanding Young Talents Program of China and join the School of Earth Sciences and Engineering, Nanjing University.

The school will provide strong support in terms of team collaboration, research platforms, and compensation to ensure your career development and the well-being of your life in China. This will contribute to the advancement of the school's mission through the construction of a high-quality talent pool.

1. Introduction

The School of Earth Sciences and Engineering at Nanjing University, founded in 1921 by **Mr. Zhu Kezhen,** is one of the oldest and most prestigious geological departments in China.

1.1 Outstanding Faculty

- More than **150** current staff members
- **6** academicians of the Chinese Academy of Sciences
- **126** full-time faculty members
- Approximately **50** national high-level talents

1.2 Outstanding Disciplines

With a century of development, the school boasts comprehensive disciplines, strong overall strength, and significant international influence. In various evaluations by the Chinese Ministry of Education, the discipline of geology has consistently ranked at the forefront nationally. **"Geology"** and **"Mining Engineering"** are recognized as national "Double First-Class" disciplines.

- **Departments:**

- ✓ Department of Earth and Planetary Sciences
- ✓ Department of Hydrological Science
- ✓ Department of Geological Engineering and Information Technology

➢ **Disciplinary Areas:**

- ✓ Geology
- ✓ Geological Resources and Geological Engineering
- ✓ Hydraulic Engineering
- ✓ Geophysics

"Geology" is a national key discipline, and "Hydraulic Engineering" is a key discipline in Jiangsu Province. "Geological Resources and Geological Engineering" is a key discipline in Jiangsu Province for the 13th Five-Year Plan.

1.3 Outstanding Research Platforms

➢ **National-level platforms:**

- ✓ State Key Laboratory for Mineral Deposits Research
- ✓ National Experimental Teaching Demonstration Center of Earth Sciences



➢ Ministry of Education platforms:

- ✓ Key Laboratory of Surficial Geochemistry
- ✓ Frontiers Science Center for Critical Earth Material Cycling
- ✓ International Joint Laboratory for Life Evolution and Carbon Cycling



➢ Provincial-level platform

- ✓ Jiangsu Engineering Research Center of Earth Sensing and Disaster Control

➢ International Scientific Organizations:

- ✓ International Lithosphere Program
- ✓ Centre for Geoenvironmental Research and Innovation
- ✓ Committee on Georisk Assessment and Mitigation

➢ University-level Platforms:

- ✓ Centre for Research and Education on Biological Evolution and Environment
- ✓ Institute of Continental Dynamics
- ✓ Institute of Mantle and Ore Formation
- ✓ Institute of Lunar and Planetary Science
- ✓ Institute of Carbon Neutrality
- ✓ Deep-time Digital Earth Research Center
- ✓ Marine Geochemistry Research Center
- ✓ Deep Earth Research Center

Center of Modern Earth Sciences (COMES)

Composed of young core faculty, serving as a gathering platform to support the growth of young talents.



2020 COMES Member Group Photo

1.4 Outstanding Development Philosophy

The school adheres to four orientations, following the development philosophy of **"moving towards modernization, entering society, and reaching beyond the Earth."** It constructs a new disciplinary system, striving to achieve the goal of **"leading domestically, ranking internationally, and featuring Nanjing University."**

1.5 Major Awards:

One 1st prize of National Science and Technology Progress Award

One 2nd prize of National Science and Technology Progress Award

One 3rd prize of National Science and Technology Progress Award

Three 2nd prizes of National Natural Science Award

Two 3rd prizes of National Natural Science Award

Twenty-six provincial-level 1st prizes

- ✓ National-level award for teaching achievements
- ✓ National advanced collective in the education system
- ✓ National Education System Workers' Union advanced collective

In the past five years, **7** excellent doctoral dissertations and **5** outstanding master's theses have been awarded in Jiangsu Province.

2. Recruitment Positions

Main research directions (including but not limited to):

1) Deep Earth processes and dynamics
2) Formation and prediction of critical mineral resources
3) Earth system processes and global change
4) Human activities and environmental disaster prevention and control
5) Habitability and evolution of Earth and planets
6) Green development and efficient utilization of geological resources
7) New technologies and methods in Earth and planetary science research
8) Marine biogeochemistry
9) Space Earth Science and Sustainable Development Big Data (Suzhou Campus)

3. Application Requirements

1) Comply with the laws and regulations of the People's Republic of China, possess good scientific ethics, and consciously practice the spirit of scientists in the new era.
2) Born on or after January 1, 1984.
3) Hold a doctoral degree in natural sciences, engineering, or related fields.
4) After obtaining a doctoral degree, generally have more than 36 months of continuous work experience in overseas universities, research institutions, or R&D section of corporates by April 15, 2024. For those who have obtained a doctoral degree overseas and have outstanding achievements, the work experience requirement may be relaxed accordingly.
5) Applicants have not returned to full-time work in China or have returned to China after January 1, 2023.
6) After receiving the funding notification, the awardee must resign from overseas work and work full-time in China for at least 3 years.

Restriction: Individuals can only undertake one project from the same level of the National Talent Program and cannot apply in the reverse order.

4. Requirement Benefits

➢ Compensation Package

- ✓ During the appointment period, the annual salary starts at **800,000 RMB** (inclusive of the basic salary and comprehensive subsidy) from the university. Exceptionally outstanding talents may receive **additional compensation**.
- ✓ Qualified individuals can receive additional funding from the "Zijin Scholar" talent fund, with a minimum of **600,000 RMB** in extra allowances within the first 3 years of their initial appointment.
- ✓ Personnel in relevant fields can serve part-time at Suzhou National Laboratory, undertake major projects, and enjoy the benefits of part-time personnel.

➢ Position Appointment

- ✓ Selected overseas talents will be appointed to the position of **"Zhi Cheng Young Professor,"** with a career establishment, priority support in terms of being phd supervisor and phd student enrollment quota.
- ✓ Those who enter the second round of review for Overseas Outstanding Young Talents but are not funded will receive support through the school's Dengfeng B Talent Program after the corresponding review process.

➢ Subsidy

- ✓ Eligible candidates can receive a tax-free subsidy of **1 million RMB** (from both the national and Jiangsu provincial levels).
- ✓ The university provides a housing subsidy of 1.4 million RMB (pre-tax) to **support awardees in purchasing a property with complete ownership rights** (around 130 square meters). Awardees can apply for transitional housing provided by the university and receive a monthly rental subsidy of **2,000 RMB**.

➢ Start-up Funding

- ✓ The national government provides **1-3 million RMB**, and the university offers **2-3 million RMB** in support. Exceptionally outstanding individuals can negotiate on a case-by-case basis for research start-up funds.
- ✓ Priority support for applying for other talent projects (such as Jiangsu Provincial Double Innovation Team Research Fund, with a maximum funding of **10 million RMB**, and Jiangsu Provincial "333 Project" with a maximum funding of **2 million RMB**).

➢ Education for Children

- ✓ Supportive **affiliated schools** include high-quality kindergartens, primary schools, and secondary schools (with the best education

resources in the corresponding areas).

- **Medical Insurance**

✓ The university hospital's professional medical team provides **VIP medical services**. Awardees can enjoy free medical examinations at first-class hospitals in Nanjing and a green medical channel.

- **Other Benefits**

✓ Support policies and services provided by the **Nanjing Municipal Government** include project funding, identity protection through the municipal talent career establishment "rotating pool," participation in the "Young and Middle-aged Elite Talent" training project with a living allowance of 72,000 RMB within 3 years, housing subsidies for Ph.D. graduates from the world's top 200 universities, and application for the "Zijinshan Elite Card" to enjoy services such as a green medical channel, urban commuting, and housekeeping services.

✓ Support policies and services provided by the **Suzhou Municipal Government** include various scientific and technological support projects and talent incentive policies. Those selected as "Leading Talents in Suzhou's Innovation and Entrepreneurship" can receive project funding of 500,000, 1 million, or 2 million RMB. Leveraging the unit to apply for the "Talent Subsidy" of Suzhou's high-level

universities and research institutes, the personal quota can reach up to 500,000 RMB. Applying for the Suzhou Outstanding Talent Contribution Award can accumulate a total reward of no more than 1 million RMB per person over the years.

5. Application Process

➢ Interested Applicants

✓ Contact us:

Submit your resume, including personal basic information, contact details, academic and work experience, and major academic achievements.

Contact person: Ms. Yao

Contact email: yaojing@nju.edu.cn

Contact phone: 025-89680717

School introduction: https://es.nju.edu.cn/main.htm

✓ School Liaison Officer:

The school will provide one-on-one consultation services and arrange corresponding disciplinary teachers for communication and guidance.

➢ Application Process

Individual applicants should contact the school, and the school will recommend the candidates to open an account for online application.

Online application period: February 1 to April 14; submission completion by April 15.

Note: Those who meet the criteria and have the intention to apply should contact the school as soon as possible to obtain application guidance.

School of Earth Sciences and Engineering at Nanjing University,

Striving for a Century

Talent cultivation is our responsibility and tradition.

Bringing glory to the country and the university is our mission and motivation.

Maintaining a sense of crisis, never slackening, is the source of our continuous progress.