

**Project Researcher [Contracted Employee],
Aakash Project, Research Institute for Humanity and Nature (RIHN), Kyoto
1 position**

Work location

Research Institute for Humanity and Nature, 457-4 Kamigamo Motoyama, Kita-ku, Kyoto-shi, Kyoto
603-8047 Japan

Job Description

The Working Group 2 of the RIHN Project “An Interdisciplinary Study toward Clean Air, Public Health and Sustainable Agriculture: The Case of Crop Residue Burning in North India” (Aakash) (Leader: Sachiko Hayashida) addresses air pollution caused by large-scale post-harvest burning of rice-straw in October and November in the states of Punjab and Haryana in North-West India. The burning causes severe air pollution in the surrounding areas, most notably in the Delhi-National Capital Region. The successful candidate is expected to perform the following tasks.

- 1) The researcher will analyze remote sensing data from space and ground-based data to reveal distribution of PM_{2.5} and other related air pollutants over North India by using numerical model simulations. Evaluate the effects of straw burning in the farming areas on air pollution in surrounding areas.
- 2) Promoting transdisciplinary studies with stakeholders relevant to the northern India air pollution issue.
- 3) Supporting symposiums, research meetings, and outreaching activities organized by Aakash Project.

Qualifications

- 1) PhD or equivalent, having the ability to carry out research on his/her own. If you are expecting to obtain a PhD, please specify in your resume.
- 2) Skills in numerical model development for air pollution studies will be advantageous.
- 3) Large volume data processing skills using Python, Fortran etc.
- 4) Desirable to speak, present, write papers, and communicate with overseas collaborators in English (and Japanese if possible).
- 5) Ability to cooperate with project members to promote smooth operation of the project and publication of research results.

Terms of Employment

As early as possible after April 1, 2023 until March 31, 2024, renewable annually until March 31,

2025.

Working Hours

Based on the general working hours of Mon.–Fri. 8:30-17:00 (excluding the 12:15-13:00 lunch break), with discretionary employment system of professional work. Holidays: Japanese national holidays and 29 December–3 January.

Salary

Daily Wage: 15,170 JPY.

Other Allowances

Commuter Allowance, Rent Allowance, and Overtime Allowance (No other compensations, awards and termination benefits).

Insurances

Health Insurance (Mutual aid association of the Ministry of Education, Culture, Sports, Science and Technology) and the Employees' Pension Insurance, and the Employment Insurance in accordance with applicable laws and regulations.

Application Materials

- 1) Curriculum vitae (with photograph, in the format of NIHU).
- 2) List of research achievements (categorized into theses, academic papers, books, awards, etc.; for coauthored papers, list all co-authors).
- 3) Reprints (photocopies are acceptable) of up to five major papers.
- 4) Experience and achievements in research and other activities related to the application conditions (Please include the fact that you meet the above application conditions in English, no more than one sheet of A4 paper; format is optional).
- 5) Describe your aspirations for the position (written in English, no more than one sheet of A4 paper; format is optional).
- 6) Names, affiliations, positions, and contact information (address, telephone, and e-mail address) of two people who can provide opinions about the applicant.

*The above documents should be written horizontally on A4 size paper, and the names should be written on each separate sheet. In principle, we will not return the submitted documents. However, if you wish to have the research material 3) returned, please indicate so at the end of the list of research achievements 2).

*The submitted documents will be used only for the purpose of employment screening. The

submitted documents will not be disclosed, transferred, or loaned to any third party without a valid reason.

Application Deadline

February 15, 2023 by 17:00 JST

Selection Process

Applications will be reviewed based on the submitted documents. Based on the results of the application screening, interviews will be held at RIHN or online, scheduled in March, 2023. Details of the interview will be provided to the selected candidates. Please note that we will not provide any travel expenses for the interview at RIHN.

Address for application submission

Application materials be mailed to the address below. You can also submit via e-mail.

Address:

Sachiko Hayashida, Aakash Project, Research Institute for Humanity and Nature
457-4 Motoyama, Kamigamo, Kita-ku, Kyoto, 603-8047, JAPAN

*Please write "Enclosed: Application materials for the Researcher (WG2 of Aakash)" in red on the topside of the package and send it through recorded delivery mail.

E-mail:

sachikoh[a]chikyu.ac.jp ([a] should be substituted by @ when in use)

Please title your email as "Aakash Project, Researcher".

*When we receive it, we'll send you a confirmation e-mail. If you do not receive a confirmation e-mail within 3 business days, please contact us via e-mail.

For any inquiry

E-mail : sachikoh[a]chikyu.ac.jp ([a] should be substituted by @ when in use)

Others

*The applicant who has excellent research achievements and is judged to play an important role in the project may be hired as a senior project researcher.

*Travel cost (flight and per diem) will be provided for the relocation to Kyoto in accordance with the regulations of RIHN.

*RIHN seeks to prevent passive smoking by prohibiting smoking in all our facilities except in

designated areas.