

May 23, 2024

To: Presidents of Applicable National, Public and Private Universities  
Directors of Applicable Japanese Research Institutions  
Directors of Applicable Overseas Research Institutions

From: Dean, Graduate School of Horticulture, Chiba University

### Announcement of Job Opening

#### 1. Job Opening

- (1) Position Graduate School of Horticulture, Division of Environmental Science  
Associate Professor: 1 person
- (2) Start date: October 1, 2024 or later
- (3) Main Courses to be Taught
  - Graduate School of Horticulture  
(Course of Horticultural Science, Environmental Science for Bioproduction Program)
    - [ Doctoral Program ]  
Graduate Research II, Graduate Seminar II, and Holistic Interactions in Biosphere (omnibus)
    - [ Master's Program ]  
Graduate Research I, Graduate Seminar I, and Holistic Interactions in Biosphere (omnibus)
  - Faculty of Horticulture (Department of Horticulture)  
Plant Nutrition, Introduction to Fertilizer Science, Introduction to Environmental Science for Bioproduction (Omnibus), Practical study on Environmental Bioproduction (Omnibus), Introductory Seminar on Horticulture (Omnibus), Environmental Science for Bioproduction Lab. (Omnibus), Seminar and Research in Major
  - General Education (Omnibus)

#### 2. Requirements and Job Specifications

Applicants must satisfy all the following requirements:

- (1) Persons who have or are expected to obtain doctoral degrees by the time of appointment.
- (2) Education and research areas, academic units, and faculty composition relevant to the recruitment  
Division of Environmental Science, in which we are currently conducting recruitment, is engaged in research to contribute to constructing a sustainable society. This research entails comprehensive analysis and understanding of the interactions between plants and biological and non-biological factors in their surrounding environment, as well as the spaces they inhabit and the lives of individuals within those spaces. The appointed associate professor will oversee Environmental Science for Bioproduction Program within

the realm of education and research.

The undergraduate education program is designed to cultivate individuals capable of creating and managing production environments. This involves studying meteorological and soil conditions, which form the foundation of crop ecosystems, and acquiring knowledge of the plants, insects, microorganisms, and other relevant entities inhabiting these ecosystems. Furthermore, students gain a broad understanding of environmental conditions in institutional and field agriculture while acquiring a background in science and engineering, biology, and chemistry.

The graduate education program builds upon the foundation laid during undergraduate studies, aiming to develop practical and advanced technicians and researchers proficient in addressing a wide range of issues related to environmental horticulture with a background in science and engineering, biology, and chemistry.

### (3) Human resources sought

In the recruitment, we seek applicants with a broad perspective ranging from micro to macro scales on agroecosystems and who can advance cutting-edge research based on plant nutrition and physiology.

One of the key research missions of the Division of Environmental Science is to contribute to the construction of a sustainable society by understanding the interactions between biological and non-biological factors surrounding plants in agricultural and green areas and the material cycling within ecosystems. The department emphasizes elucidating the biotic interactions between plants and the surrounding microbial communities and applying the insights gained to contribute to sustainable agricultural production and environmental management.

To further the development of this research field, we are seeking individuals who are interested in employing advanced techniques from disciplines such as plant physiology, molecular biology, cell biology, and biochemistry to address the following research areas while also demonstrating an interest in practical research education:

- Absorption and transport of nutrients and water in plants
- Mechanisms of assimilate distribution based on photosynthesis
- Molecular mechanisms underlying reactions supporting nutrient metabolism
- Networks of nutrients and signaling among plant organs
- Responses to environmental stresses
- Symbiosis with soil microorganisms and microbiome interactions

The main classes will be in Japanese, but some courses will be in English. Moreover, the successful candidate will be expected to be actively involved in other university administrative activities. Female and non-Japanese applicants are welcome to apply.

### 3. Documents to be Submitted for Application

(1) Curriculum Vitae

(2) Reprints of published papers/books (Maximum of 10 major publications per applicant)

(3) Overview of applicant's experience and achievements in research and education to date and aspirations

for the future (approximately 2,000 words)

(4) The names and contact information of two references who know the applicant well.

Please download official formats for Curriculum Vitae, List of Published Papers and Other Research Achievements, and Record of Experience/Achievements in Education documents from the official Chiba University website. (<http://www.h.chiba-u.jp/english/employment.html>)

#### 4. Application

Please submit your application by (i) Email or (ii) through JREC-IN Portal.

##### (i) Email

Please convert all application materials to PDF files, compress them into a single zipped file, attach the file, and send it by email to the following address with “園芸環境科学講座（准教授）応募” in the subject line. If the file size exceeds 20 MB, please separate the files and send them in several emails. And send your documents to our administration office.

**Send to: General Affairs Unit, Graduate School of Horticulture**

**Email: [zaf8703@office.chiba-u.jp](mailto:zaf8703@office.chiba-u.jp)**

(ii) through JREC-IN Portal.

Please convert all application materials to PDF files, compress them into a single zip file, and submit them through the JREC-IN Portal (<https://jrecin.jst.go.jp/seek/SeekTop>).

Deadline : Documents must arrive no later than August 2, 2024.

#### 5. Guidelines for Preparing Application Documents

##### (1) Curriculum Vitae

Please include your academic background, starting from high school graduation. Please enter overseas education and research only if it involved a stay abroad of at least 6 months.

##### (2) List of published papers and other research achievements

1) Original papers: Please write a) and b) separately.

a) Papers published in academic or scholarly journals that have a peer-review system

b) Papers published in academic reports of universities, proceedings of international conferences, or other literature.

2) Books and translations: Distinguish between independently authored and jointly authored works.

For jointly authored works, state the part you were in charge of.

##### 3) Reports

4) General articles, documents, book reviews

5) Articles written to disseminate information or for practical purposes

6) Other presentations at academic conferences, research conferences, lectures, symposiums, or seminars during the past 5 years. Limit the presentations mentioned to 10 main ones, and at the end of this section, enter the appropriate number in the “Plus □□ more” area.)

7) Planning and design: Please list separately those published in journals and other publications.

8) Patents

9) Qualifications, skills

(3) Educational achievements: Please list any classes, seminars, research guidance, etc. (undergraduate, graduate school, other) that you have taught (including research guidance during postdoctoral work).

(4) Statement of achievements in social contribution, international, university administration, etc.

(5) Status of external funding such as Grant-in-Aid for Scientific Research (KAKENHI): Please list in order of Grant-in-Aid for Scientific Research(KAKENHI) and other external funding. (There is no prescribed form for this. Please list items individually on A4-sized paper.)

6. Work Type

Full-time staff

7. Salary

Remuneration will be an annual salary determined in accordance with the university's remuneration regulations (\*1).

\*1 Chiba University Remuneration Regulations for Staff on New Annual Salary System

<https://www.chiba-u.ac.jp/general/JoureiV5HTMLContents/act/frame/frame110001356.htm>

8. Inquiries about application to:

Prof. Nobuhiro MATSUOKA, Director,

Course of Horticultural Science, Environmental Science for Bioproduction Program

Graduate School of Horticulture, Chiba University

TEL: +81-47-308-8903

E-mail: [matsuoka@faculty.chiba-u.jp](mailto:matsuoka@faculty.chiba-u.jp)

9. Other

(1) You may be asked to come to the university to be interviewed or conduct a seminar.

(2) You may be asked to submit additional materials regarding your research achievements.