

Assistant Professor Position (3-year term)

**Coordination Chemistry Laboratory, Inorganic and Analytical Chemistry Group,
Department of Chemistry, Faculty of Science, Kyushu University**

1. Number of Position Opening:

One Assistant Professor (maximum 3-year term with no additional appointment)

2. Institution:

Coordination Chemistry Laboratory, Inorganic and Analytical Chemistry Group, Department of Chemistry, Faculty of Science, Kyushu University

3. Research Fields and Topics:

Field of expertise: Molecular Catalysis, Electrocatalysis and Photocatalysis of Transition Metal Complexes towards the Development of Sustainable Energy Cycles based on Solar Energy Conversion

Research topics: To solve the problems arising from the global warming and the associated climate changes, clean and sustainable energy cycles based on the water splitting to hydrogen energy as well as CO₂ reduction to fuels such formic acid, methanol, and methane have attracted considerable attention in the last decade. The fundamental catalytic conversion process required to promote these basic inorganic and organic reactions largely rely on the roles of transition metal complexes, as evolved in the natural metalloenzymes. The “Coordination Chemistry Group” directed by Prof. Ken Sakai has extensively advanced the chemistry relevant to these topic since its initiation in 2004. The group now pursue a new assistant professor suited to join and activate the group.

Keywords of the research field: Transition Metal Complexes, Molecular Catalysis, Photocatalysis, Electrocatalysis, Water Splitting, Water Oxidation, Water Reduction, Carbon Dioxide Reduction, Artificial Photosynthesis, Solar Energy Conversion

4. Educational and Other Duties:

The new assistant professor hired with this position is requested to give lectures on some of the following courses: Introduction to Chemistry, Laboratory Chemistry Experiments for undergraduate students, etc. It must also be noted that all professors including those in assistant professor positions are in charge of a part of the administrative tasks to manage and operate the department.

5. Qualifications:

Applicants are required to have a Ph.D degree.

6. Date of Appointment:

April 1, 2025, or earlier if possible.

7. Employment Duration:

Maximum 3-year term with no additional appointment. The term of contract is up to the mandatory retirement age of Kyushu University.

8. Required Documents to Post (all documents in either Japanese or English):

- (1) Your resume/CV including contact address (phone number and e-mail address) and photographic portrait
- (2) Lists of your research achievements in the following categories
 - (a) Peer-reviewed journal papers published
 - (b) Books and review articles published
 - (c) Other scientific reports and patents
 - (d) Presentations at conferences (classified into domestic and international conferences; invited presentations should be indicated.)
- (3) Summary of your own research activities and achievements, and your research plans/policies after employment (within 4 pages in A4 or letter size)
- (4) Summary of your experiences and plans/policies in education (within 2 pages in A4 or letter size)
- (5) Additional documents appealing your scientific and/or academic activities (e.g., lists of awards and research grants awarded to the candidate)
- (6) Contact information for two professional references (name, title, affiliation, e-mail address).

*All the documents (1)-(6) are requested to be prepared using A4 or letter-size sheets, and saved as a single PDF file, which should be further zipped with the following Excel file before the submission.

- (7) List of your achievements in research and education. Please download an Excel file for the list from <http://www.scc.kyushu-u.ac.jp/e-koubo.html>. Submit the Excel file along with the above PDF file as a single ZIP file.

9. Application Deadline:

Completed applications must be posted by November 22, 2024 (by PST Time).

10. Evaluation Process:

Primary screening through application documents will be followed by secondary examination

through an interview along with an oral presentation by the candidate.

11. Address for Submitting Application Documents:

Ken Sakai, Professor

Department of Chemistry, Faculty of Science, Kyushu University

744 Motoooka, Nishi-ku, Fukuoka 819-0395, Japan

Phone: +81-92-802-4169 E-mail: ksakai@chem.kyushu-univ.jp

12. Application Procedures:

Please submit all the application documents either by (1) or by (2).

(1) The two electronic documents (PDF and Excel files) should be compressed into *single* zip file, which should be stored in a storage memory medium (such as USB). Please send the memory medium to the contact address above via the normal physical mail rather than the electronic mail. Submission of printed materials is not requested. A red-colored notification of “Application to a Faculty Position” onto the envelope will be highly appreciated.

(2) The above zip file can also be posted at the the JREC-IN Portal site shown below:

The JREC-IN posting site will become active within a few dasys (please download this PDF again)

13. Additional Notifications:

(1) The new assistant professor hired with this position is supposed to cooperate with Prof. Ken Sakai in both research and education. For more information with regard to the department, please visit the website: <http://www.scc.kyushu-u.ac.jp>.

(2) Salary shall be paid in accordance with the Annual Salary System (issued April 1, 2020). The annual salary is determined by relevant rules of the university and composed from base salary depending on age and experience, performance bonus, and various allowance.

(3) The new faculty hired by Kyushu University is strongly encouraged to give lectures in English in order to promote the globalization of its educational system.

(4) Our candidate evaluation policy obeys the Equal Employment Opportunity law.

(5) We also follow the Basic Act for the Disabled Persons, the Act on Employment Promotion etc. of Persons with Disabilities, and the related Acts.

(6) If you have had disciplinary action and equivalent measures in the past, please be sure to enter the nature of the disciplinary action and the specific reasons for it in your resume or other documents. False statements may result in cancellation of employment or disciplinary action.

(7) Measures to prevent passive smoking: smoking (including electronic siggarette) is strictly prohibited on campus by Kyushu University.

(8) General Regulation of Employment: <https://www.kyushu-u.ac.jp/ja/university/information/rule/>

rulebook/pdf/587/2/2004syuki001_en.pdf