

Postdoc Ethanol electro-oxidation on bi- and trimetallic
electrodes - REF 24PDR266
University of São Paulo

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Job Title Postdoc Ethanol electro-oxidation on bi- and trimetallic electrodes - REF 24PDR266

Department Physical Chemistry
<https://sites.usp.br/rcgi/>

Institution University of São Paulo
São Carlos, São Paulo, Brazil

Date Posted Apr. 8, 2024

Application Deadline Apr. 30, 2024

Position Start Date Jun. 1, 2024

Job Categories Post-Doc

Academic Field(s) Engineering Physics
Chemical/Petroleum

Job Website <https://sites.usp.br/rcgi/opportunities/>

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**Job
Description**

Research theme area:

Electrochemistry and electrocatalysis

Abstract:

The candidate will collaborate with researchers from the project 83 - SPEC of the FAPESP-Shell Research Centre for Greenhouse Gas Innovation of POLI-USP at the University of São Paulo. Summary of the program and projects can be found at the RCGI website (<https://sites.usp.br/rcgi/>). In particular, the grant in question will deal with the development and use of complex surfaces based on platinum and containing one or two more metals for the electro-oxidation of ethanol in acidic and alkaline media and at low temperatures. In addition to the bench experiments, modeling and numerical simulations will be carried out.

Description:

The applicant will contribute in line with the main objectives of the project:

1. Kinetic and mechanistic studies of the electro-oxidation of ethanol.

Requirements to fill the position:

This project is suitable for a highly motivated candidate and requires skills in carrying out bench and numerical electrochemical experiments, interpersonal skills, organization and proficiency in English is required.

- The candidate must have a doctorate in Chemistry, Physics or related areas.

INFORMATION ABOUT FELLOWSHIP:

This Postdoctoral fellowship is funded by FAPESP. The fellowship will cover a standard maintenance stipend of R\$ 9.047,40 (Reais) per month.

MORE INFORMATION:

<https://sites.usp.br/rcgi/opportunities/>

Position: **Post-Doctoral Fellowship REF: 24PDR266**

[Access here](#) AND APPLICATION AT REF**Post-Doctoral REF.:24PDR266**

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Contact Information

Please reference Academickeys in your cover letter when
applying for or inquiring about this job announcement.

Contact RCGI
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