This institution is a University institute. According to OECD’s FRASCATI Manual\(^1\), it is a: Higher Education Institution

As a possible partner in international research cooperation, it offers the following skills:

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>Yes</th>
<th>Yes</th>
<th>Yes</th>
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</thead>
<tbody>
<tr>
<td>Coordination</td>
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<tr>
<td>Research</td>
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<tr>
<td>Demonstration</td>
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<tr>
<td>Training</td>
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<td>Technology</td>
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<td>Dissemination</td>
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<tr>
<td>Other</td>
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Preferred project duration = 1-3 years

What makes the institution unique and attractive for international cooperation? Chulalongkorn University has been developing its foreign relations for more than 70 years as it realizes the importance of the exchange knowledge, technology and culture. At the same time, through cooperation and assistance, academics and research can be advanced and the university will be able to further develop its potential to produce higher quality graduates who can make a greater contribution to society. Through the development of these ties, the university has also been able to initiate a number of cooperative, research and social service projects that can improve the quality of life in Thailand and around the world.

The following aspects make international cooperation attractive for this institution:

<table>
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<tr>
<th>Funding</th>
<th>Access to Research Infrastr.</th>
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<tbody>
<tr>
<td>Networking</td>
<td>Co-Patenting</td>
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<tr>
<td>Scientific Co-Publications</td>
<td>Exchange of Researchers</td>
</tr>
<tr>
<td>Increase of Reputation</td>
<td>Exchange of Students</td>
</tr>
<tr>
<td>Other:</td>
<td>-</td>
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</table>

Concrete project idea(s) for which international cooperation partners would be useful:

*My research is focusing on the development of organic-based optoelectronic devices, especially photovoltaic cells. The main idea is to convert solar energy to be many useful energy forms, for instance electrical energy (Solarcells), chemical energy (Photocatalysis) and other form of optical energy, etc.*
Institutional Profile

Department of Chemistry (-)
Faculty of Science, Chulalongkorn University

Website: http://www.chemistry.sc.chula.ac.th/home-eng.htm

Field of Research: Natural Sciences: Chemistry

Keywords:
- Organic Material Chemistry
- Bioorganic chemistry
- Natural product

A selection of the institution’s publications:
Contact Person

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Gender: Female
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Position: lecturer
Telephone: +43-(0)680-3104159
Email: patchanita.v@chula.ac.th patchanita@hotmail.com
In the following, we would like to present some key data regarding the human capital of the research institution/subunit/group presented, here.

Languages available at the institution:
English, Thai

Number of R&D Personnel in the institution as headcount:
- Researchers = 78
- Technicians and equivalent staff = 22
- Other supporting staff = 14

Researchers from abroad currently working in the institution = 2

International visiting scientists in 2008 (staying for at least 1 week) = 15

National researchers spending at least 1 semester abroad = 5

Number of Researchers in the institution currently involved in research projects with international cooperation partners = 5

Intensity of the institution’s research cooperation with partners from the following countries:
- Japan = not existing
- South Korea = not existing
- USA = sporadic cooperation
- Canada = not existing
- India = not existing
- EU = sporadic cooperation
- Other ASEAN Countries = sporadic cooperation
Cooperation Resource Pool
International Projects

Department of Chemistry (-)
Faculty of Science, Chulalongkorn University

The research institution/subunit/group presented, here, has participated in the following international research projects.

Project 1
Title: Porasolar
Project website: [Regional outreach: European Union
Project duration: 24
Project partners: Linz Institute for Organic Solar Cells, Linz, Austria

Project 2
Title:
Project website:
Regional outreach:
Project duration:
Project partners:

Project 3
Title:
Project website:
Regional outreach:
Project duration:
Project partners:

Project 4
Title:
Project website:
Regional outreach:
Project duration:
Project partners:

Project 5
Title:
Project website:
Regional outreach:
Project duration:
Project partners: