

Japan

University of Tsukuba
Tsukuba
Prof. Masatoshi Matsumura
Prof. Hideo Tanaka

- Common research projects:
fermentation, biogas tower reactors,
cultivation of mammalian cells
production of biodiesel additives
- Exchange of post doc researchers

Firma Kubota Corporation
Tokyo
Dr. Koh Shimizu

- Exchange of experience: anaerobic digestion,
biogas reactors
- Technology transfer

Korea

Yonsei University
Seoul
Prof. Yu-Ryang Pyun

- Technology transfer: membrane bioreactor,
fermentation of extremophilic microorganisms
- Exchange of research personnel

South Africa

Onderstepoort Biological Products
Onderstepoort (Johannesburg)
Dr. Hans G. Jäger

- Technology transfer: production of botulinum toxin
for medical application

Lebanon

Lebanese American University Byblos
Prof. Fuad Hashwa

- Research cooperation: water supply,
water management

Portugal

University of Lisboa
Lisbon
Prof. Helena Santos

- Research cooperation: fermentation of
extremophilic microorganisms, production of
compatible solutes

University of Coimbra
Coimbra
Prof. Milton Da Costa

- Research cooperation: water quality (*Legionella*)
- Exchange of research workers with both groups
of Helena Santos and Milton Da Costa

Italy

University of Naples
Naples
Prof. Mosé Rossi
Prof. Marie de Rosa

- Intensive Corporation in research and teaching:
High cell density fermentation, production of enzymes
- Exchange of doctoral students
- Cooperation within the framework of EU

Jordan

University of Jordan
Amman
Prof. Ibrahim Abu-Reesh

- Common research: decentralized water and waste water management, zero emission concepts

Al Balqa Applied University
Amman
Prof. Zakaria Al Quodah

- Research and technology transfer: treatment of fat or oil containing waste water with the help of *Geobacillus thermoleovorans* at 65°C, application in olive oil production industry

Sweden

Karolinska Institutet
Stockholm
Prof. Rudolf Ladenstein

- Common research: production of pure enzymes from extremophilic micro organisms with the aim of characterizing the protein structure

Belgium

Gent University
Laboratory for Microbial Ecology
and Technology
Gent
Prof. Willi Verstraete

- ESA-research project: anaerobic hyperthermophilic degradation (100°C) of solid lignocellulostic wastes for the application in space

Only with Tsukuba University, 9 post doc researchers were exchanged up to now for 1 year each of them.