

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
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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.