



# The Sulfur Cycle in Environmental Biotechnology

## Prof. Piet Lens

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### Where?

LPB EESC/USP, Av. João Dagnone, nº 1100, Prédio da Engenharia Ambiental, Bloco 4F, São Carlos, SP

### When?

From July 6<sup>th</sup> to 8<sup>th</sup> 2015

### Info

To registrate, fill the form available at: <http://goo.gl/forms/PpqmNJ9jNt>

**Registration Fee:** R\$15.00

(Fifteen reais)

*Coffee Breaks included*



Registration deadline: June 26<sup>th</sup> or until there are vacancies

## Programme

Mon, July 6<sup>th</sup>

13h00 - 14h00	Process Fundamentals of the Sulfur Cycle	Registration
14h00-15h15		Sulfur Chemistry
15h15 - 16h15		Microbiology and microbial ecology
16h15-16h45		Coffee break
16h45-17h45		Microbiology and microbial ecology

Tue, July 7<sup>th</sup>

Biological treatment of organic wastewaters	Treatment of wastewaters rich in sulfur compounds	9h00 - 10h15
Coffee break		10h15 - 10h45
Biological treatment of inorganic wastewaters		10h45 - 12h45
Lunch		12h45 - 14h00
In situ heavy metal bioprecipitation in groundwater by SRB	Treatment of solid wastes, soils and sediments	14h00-15h15
Use of bioscreens to treat polluted groundwaters		15h15 - 16h15
Coffee break		16h15-16h45
Sulfur metabolism in higher plants: potentials for phytoremediation		16h45-18h00

Wed, July 8<sup>th</sup>

9h00 - 10h15	Treatment of sulfur contaminated biogas and off-gases	Overview of H <sub>2</sub> S and SO <sub>2</sub> removal processes
10h15 - 10h45		Coffee break
10h45 - 11h45		Abatement of volatile organic sulfur compounds in the odorous emission from the bio-industry
11h45-12h45		Biotreatment of sulfurous wastegas emissions
12h45 - 14h30	Lunch	
14h30-15h30	Interactions of the sulfur cycle with alternative electron acceptors	Applications of the interactions between the sulfur and the nitrogen cycle
15h30 - 16h30		Applications of the interactions between the sulfur and the iron cycle
16h30-17h00		Coffee break
17h00 - 18h00		Closing

For the payment fee, please make a deposit into the following account

Rachel Biancalana Costa  
BB ag. 6845-4 c/c 6732-6

Send the receipt to [rachel.costa@usp.br](mailto:rachel.costa@usp.br)

Registration will be effective after filling the form and sending the receipt.