

Kungsängsgatan 36C • 753 22 UPPSALA
TELEPHONE 018-122871 (home) • Mobile 073 5083481
E-POST fxinmei810@hotmail.com (Permanent)

Publication list of Xinmei Feng

Articles in peer-review Journals 27

2013

- 1) J. Olsson*, **Feng, X-M****, Johnny Asque**, Francesco Gentili***, E. Nehrenheim* and E. Thorin*. Co-digestion of cultivated microalgae and sewage sludge from municipal waste water treatment under thermophilic and mesophilic conditions. In press, 2013. Applied Energy.

2011

- 2) **Feng, X-M**, Ingvar Sundh, Anna-Ida Johnsson, Thomas Ricard and Petter Mellin, **2011**. Specific SCAR markers and multiplex real-time PCR for quantification of two *Trichoderma* biocontrol strains in environmental samples. BioControl, 56(6):903-913.

2010

- 3) Eva S. Lindström, **Feng, X-M**, Wilhelm Granéli & Emma S. Kritzberg, **2010**. The interplay between bacterial community composition and the environment determining function of inland water bacteria. Limnology and Oceanography, 55(5): 2052-2060.
- 4) **Feng, X-M**, Anna Karlsson, Bo H Svensson¹ and Stefan Bertilsson, **2010**. Impact of trace element addition on biogas production from food industrial waste – linking process to microbial communities. FEMS Microbiology Ecology, 74(1):226-240.

2008

- 5) Shao Jihai, He Shaojiang, **Feng, X-M**, **2008**. Bio-toxicity of Cd²⁺ Stress on a gfp Gene Marked Rice Bean (*Vigna umbellata* L.) Rhizobium Strain JMC1402G in Soil. Journal of Agro-Environment Science, 27(2): 457-461.

2007

- 6) **Feng, X-M**, Olsson, J., Swangberg, M., Schnürer, J. and Rönnow, D., **2007**. Image analysis for monitoring the barley tempeh fermentation process. *Journal of Applied Microbiology*, 103 (4):1113-1121.
- 7) **Feng, X-M**, Passoth, V., Eklund-Jonsson, C., Alminger, M. and J., Schnürer, J., **2007**. *Rhizopus oligosporus* and yeast co-cultivation during barley tempeh fermentation-Nutritional impact and real-time PCR quantification of fungal growth dynamics. *Food Microbiology*, 24(4):393-402.
- 8) **Feng, X-M**, Larsen, T.O. and J., Schnürer, **2007**. Production of volatile compounds by *Rhizopus oligosporus* during soybean and barley tempeh fermentation. *International Journal of food microbiology*, 113(2):133-141.
- 9) Pan Feng, Wang Ping, Hu Zhenjia, He Shaojiang, **Feng, X-M**, **2007**. Phylogenetic Study of Rhizobia Strains Isolated from Rice Bean (*Vigna umbellata* L.) in Hubei by 16S-23S rDNA RFLP and 16S rRNA Gene Sequencing. *Journal of Applied and Environmental Microbiology (China)*, 1: 78-82.

2005

- 10) **Feng, X-M**, Eriksson, A.R.B and J., Schnürer, **2005**. Growth of lactic acid bacteria and *R. oligosporus* during barley tempeh fermentation. *International Journal of food microbiology*, 104 (3): 249-256.

2003

- 11) Pan Feng, He Shao-jiang, Hu Zheng-jia, Wang Ping, **Feng, X-M**, **2003**. Diversity of *Rhizobia* Isolated from Rice bean (*Vigna umbellate* L.). *Chinese Journal of Applied and Environmental Biology*, 9:525-529.
- 12) Zhang Xiaoxia, Wang Ping, **Feng, X-M**, Hu Zhengjia, **2003**. Colonization of rice plant by *Rhizobium astragalus* JS5A16 with marker genes. *Acta of Ecologica Sinica*, 23(4): 771-776.
- 13) Zhang Xiaoxia, Wang Ping, **Feng, X-M**, Hu Zhengjia, **2003**. Study on root colonazition of rice by genes marked *Rhizobium astragalus*. *Acta Ecologica Sinica*, 23 (4): 771-776.
- 14) Zhou Xiaoyu, Zhen Huifeng, Pan Feng, Heshaojiang, Hu Zhenjia, **Feng, X-M**, **2003**. Effects of AMF and Rhizobium co-inoculation on alternative plantation of rice bean and corn. *Journal of Biology*, 20 (3):12-13.

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- 15) Zhang Xiaoxia, Wang Ping, **Feng, X-M** and Hu Zhengjia, **2002**. Studies on the affinity of *Rhizobium astragalus* isolated from rice plants and the different rice cultivars. Chinese Journal Applied and Environmental Biology. 8 (2): 195-199.

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- 16) Zhang Xiaoxia, Wang Ping, Hu Zhengjia and **Feng, X-M**, **2001**. Screening of Rice Growth-Promoting *Rhizobium astragalus*. Soil and Fertilizer, 6:30-34.
- 17) Wang Ping, **Feng, X-M** and Li Fudi, **2001**. Colonization of *Mesorhizobium huakuii* JS5A16L marked with *luxAB* genes in the rhizosphere of *Astragalus sinicus*. Acta Pedologica Sinica, 38(2):265-270.

2000

- 18) Long Weiwen, Wang Ping, **Feng, X-M**, **2000**. Interactions between *Pseudomonas fluorescens* XL6L2 and arbuscular mycorrhizal fungi (*Glomus mosseae*) in wheat rhizosphere. Acta Pedologica Sinica, 37 (3): 130-138.
- 19) Long Weiwen, Wang Ping, **Feng, X-M**, **2000**. Research Progress on PGPR/AMF interactions. Chinese Journal of Applied Ecology, 11 (2): 311-314.
- 20) Li Hongmin, Huang Renquan, **Feng, X-M**, Cui Yantang, **2000**. Studies on the Content Determination and Extraction Technology of Isoflavones in Soy Sauce. Journal of Huazhong Agricultural University, 19(6): 600-602.

1999

- 21) Wang Ping, Wang Qin, **Feng, X-M**, **1999**. Root colonization of non-legume plants by *Mesorhizobium huakuii* marked with *luxAB* and *gusA* genes. Journal of Huazhong Agricultural University, 18(3): 238-241.
- 22) Wang Ping, **Feng, X-M** and Li Fudi et al, **1999**. Marking of *Mesorhizobium huakuii* JS5A16 with *luxAB* gene and its detection in the rhizosphere of *Astragalus sinicus*. Thesis of Soil Science Society of China, Journal of Huazhong Agricultural University, Supplement, 135-140.
- 23) Wang Ping, **Feng, X-M**, Wang Guoxin, Dong Biao, and Li Fudi et al, **1999**. Screening and identification of PGPR strains isolated from the rhizosphere of winter wheat (*Triticum aestivum* L.). Journal of Huazhong Agricultural University, 18(4): 352-356.

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- 24) **Feng, X-M**, He Shaojiang et al, **1998**. Screening of the bast fibre retting anaerobacteria and their effects on pulp making. Journal of Huazhong Agricultural University, 17(3): 241-245.
- 25) **Feng, X-M**, He Shaojiang et al, **1998**. Study on pulp and papermaking from bast fiber retting by anaerobacteria. Hubei's Paper Making, 1: 8-11.

1997

- 26) He Shaojiang, Li Chuanhai, Wang Changrong, Li Jiaru, **Feng, X-M** et al, **1997**. A study on biological characteristics of ectomycorrhizal fungi LH1 and LH2. Journal of Huazhong Agricultural University, 16(1): 52-55.
- 27) He Shaojiang, **Feng, X-M**, **1997**. Study on Ramie degummed by anaerobic bacteria. China's Fiber Crops. 19(1): 33-35.

1994

- 28) He Shaojiang, **Feng, X-M**, Gong Xiaoping, **1994**. Isolation and characteristics of three methanogen strains. Journal of Huazhong Agricultural University, 13(1): 59-63.

Presentation in meetings and conferences 17

2012

- 1) **Feng, X-M**, Maria del Pilar Castillo, Anna Schnürer, Liang Junfeng and Keqiang Zhang. BIT's 2nd Annual World Congress of Bioenergy, April 25-28, **2012**, Xi'an, China. Title: Biological Pretreatment of Lignocellulosic Materials with Fungi to Enhance Biogas Production, p163. Invited speaker and co-chair in Session 900: Innovative and productive biogas technology.

2011

- 2) **Feng, X-M** and Anna Schnürer et al, 1st Sino-Sweden biogas symposium, 21-23 January, 2011, Haikou, P.R.China. Title: Biogas research at SLU. Representative of SLU

2009

- 3) **Feng, X-M**, Anna-Ida Johnsson Holmberg, Thomas Ricard, Ingvar Sundh and Petter Melin, June 11-13, **2009**. Multiplex qPCR based on SCAR markers to

monitor the dispersal of biocontrol strains of *Trichoderma atroviride* and *Trichoderma polysporum*. In: Abstract book of the 5th IOBC Workshop on Multitrophic Interactions in Soil, poster P3, page 9, Ultuna, Uppsala., Sweden.

- 4) **Feng, X-M**, Gunnar Börjesson, Janet Andert, Jan. 30 to Feb. 1, **2009**. Analysis of methanotrophic communities in Swedish forest peatland using microbial diagnostic microarray. European Union project “**METHECO**” meeting, Netherlands Institute of Ecology, the Netherlands.

2007

- 5) **Feng, X-M**, Anna Karlsson, Stefan Bertilsson and Bo H Svensson, September 23-27, 2007. Real-time-t-RFLP analyses of microbial community structures in biogas reactors treating food industry waste. 11th World conference on anaerobic digestion, Brisbane, Australia.

2006

- 6) **Feng, X-M**, Volkmar Passoth, Anders Eriksson and Johan Schnürer. 7-9th Nov, **2006**. Co-fermentation of *Rhizopus oligosporus* with lactic acid bacteria and yeast during barley tempeh fermentation. In: Abstract book of Sustainability of the Agri-Food chain 2006, EFFoST annual meeting/Total food 2006, poster 8.05, The Hague, The Netherlands. Won the best poster price.

2005

- 7) **Feng, X-M**, Volkmar Passoth och Johan Schnürer. 22-23th Sept, **2005**. Detektion och kvantifiering av mögel på spannmål med realtids PCR. In: Sammanfattningar av föredrag och postrar; eklogiskt lantbruk konferens, p282, Ultuna, Uppsala, Sweden.

2004

- 8) **Feng, X-M**, A. Eriksson, Thomas O. Larsen & J. Schnürer. 12-16th Sept, **2004**. Interactions between lactic acid bacteria and the tempeh fungus *Rhizopus oligosporus* in barley tempeh. In: Abstract of New tools for improving microbial food safety and quality, biotechnology and molecular biology approaches, p 138. Potoroz, Slovenia.

2003

- 9) **Feng, X-M**, A. Eriksson & J. Schnürer. June 29-July 3, **2003**. Interactions between lactic acid bacteria and the tempe fungus *Rhizopus oligosporus* in barley tempe. In: Abstract of the first FEMs congress of European microbiologists, p436. Ljubjana, Slovenia.

2002

- 10) **Feng, X-M**, A. Eriksson & J. Schnürer. April 6-9, **2002**. Interactions between bacteria and tempe fungus *Rhizopus oligosporus*. In: Abstract of Sixth European conference on fungal genetics, 303. Pisa, Italy.

2001

- 11) **Feng, X-M** & C Thaning, July 8-12, **2001**. Suppression of apothecial formation in *Sclerotinia sclerotiorum* by bacteria. In: Proceeding of the XIth International Sclerotinia Workshop, 149-150. York, UK.

2000

- 12) Wang Ping, Long weiwen and **Feng, X-M**, **2000**. Interactions between *Pseudomonas fluorescens* X16L2 and *Glomus mosseae* in the rhizosphere of wheat. The 100th general meeting of American Society for Microbiology. Los Angeles, USA.

1999

- 13) **Feng, X-M**, Wang Ping , Li Fudi et al, **1999**. Colonization dynamics and nodule occupancy of *Mesorhizobium huakuii* JS5A16 under field condition. The 2nd International Workshop on Biodiversity of Rhizobium. Huangshan, China.
- 14) Wang Ping, **Feng, X-M** et al, **1999**. Studies on microbial antagonism against soil-borne fungal diseases of cotton and wheat. International workshop on biocontrol of fungal diseases (Sponsored by IFS/MISTRA). Wuhan, China.

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- 15) **Feng, X-M**, Wang Ping, Li Fudi et al, **1998**. The study of nodulation and colonization dynamics of luxAB and gusA genes marked *M. huakuii* JS5A16 in soil

- microcosms. The 1th International Workshop on Biodiversity of Rhizobium. Yaan, China.
- 16) Wang Ping, **Feng, X-M**, Li Fudi et al, **1998**. Root colonization of *Astragalus sinicus* by *luxAB* and *gusA* genes marked *Mesorhizobium huakuii* JS5A16. In: Proceedings of the 8th International Symposium on Microbial Ecology, 343. Halifax, Canada.
 - 17) Long Weiwen, Wang Ping, **Feng, X-M** et al, **1998**. Interactions between *Pseudomonas fluorescens* X16L2 and *Glomus mosseae* in wheat rhizosphere. In: Proceedings of the 8th International Symposium on Microbial Ecology. Halifax, Canada.

Report 1

2013

- 1) **Feng, X-M**, M. d. P. Castillo, A. Schnürer. Fungal pretreatment of straw for enhanced biogas yield. SGC Rapport 2013:279, 2013.