

LIST OF PEER-REVIEWED PUBLICATIONS

PUBLISHED

1. Alexey Vorobev, **Sheeja Jagadevan**, Sunit Jain, Karthik Anantharaman, Gregory Dick, Stephane Vuilleumier and Jeremy Semrau, 2014 Genomic and transcriptomic analyses of the facultative methanotroph *Methylocystis* sp. Strain SB2 grown on methane or ethanol, *Applied and Environmental Microbiology*, 80 (10), 3044-3052 (IF=3.678).
2. Fernanda Seixas; Deise Fukuda; Franciele Turbiani; Patrícia S Garcia; Carmen Petkowicz; **Sheeja Jagadevan**; Marcelino Gimenes, 2014 “Extraction of pectin from passion fruit peel (*Passiflora edulis* f. *flavicarpa*) by microwave-induced heating” *Food Hydrocolloids*, 38, 186-192 (IF=3.494).
3. **Sheeja Jagadevan**, Nigel Graham, Ian Thompson, **2013** “Treatment of waste metalworking fluid by a hybrid ozone-biological process” *Journal of Hazardous Materials*, 244-245, 394-402 (IF=4.173)
4. Oliveira, R.C., Rossi, R.M., Gimenes, M.L., **Jagadevan, S.**, Giufrida, W.M., Barros, S.T.D. **2013** “Extraction of passion fruit seed oil using supercritical carbon dioxide: a study of mass transfer and rheological property by Bayesian inference” *Grasas Y Aceites*, 64 (4), 400-406 (IF=0.740)
5. Alexey Vorobev, **Sheeja Jagadevan**, Bipin Baral, Alan DiSpirito, Brittani Freemeier, Brandt Bergman, Nathan Bandow, and Jeremy Semrau, **2013** “Detoxification of Mercury by Methanobactin from *Methylosinus trichosporium* OB3b”, *Applied and Environmental Microbiology*, 79 (19), 5918- 5926 (IF=3.678)
6. Jeremy D. Semrau, **Sheeja Jagadevan**, Alan A. DiSpirito, Julie Scanlan, Ashraf Khalifa, Brandt H. Bergman, Brittani C. Freemeier, Bipin S. Baral, Nathan L. Bandow, Alexey Vorobev, Daniel H. Haft, Stéphane Vuilleumier, and J. Colin Murrell, **2013** “Methanobactin and MmoD work in concert to act as the “copper switch” in methanotrophs”- Article in press, *Environmental Microbiology*, DOI: 10.1111/1462-2920.12150.2013. (IF=5.756)
7. **Sheeja Jagadevan** and Jeremy Semrau, **2013** “Priority pollutant degradation by the facultative methanotroph, *Methylocystis* strain SB2” *Applied Microbiology and Biotechnology*, 97 (11), 5089-5096 (IF=3.689)
8. **Sheeja Jagadevan**, Manickam Jayamurthy, Peter Dobson, Ian Thompson, **2012** “A novel hybrid nano zerovalent iron initiated oxidation-Biological degradation approach for remediation of recalcitrant waste metalworking fluids”. *Water Research*, 46(7), 2395-2404 (IF=4.655)
9. **Sheeja Jagadevan**, Peter Dobson, Ian Thompson, **2011** “Harmonisation of chemical and biological process in development of a hybrid technology for treatment of recalcitrant metalworking fluid”. *Bioresource Technology*, 8783-8789 (IF=4.750)
10. **Sheeja Jagadevan** and Suparna Mukherji, **2004** “Successful in situ oil bioremediation programmes-Key parameters” *Indian Journal of Biotechnology*, Vol 3, 495-501 (IF=0.55)

11. Suparna Mukherji, **Sheeja Jagadevan**, Gita Mohapatra, Avnash Vijay **2004** “Biodegradation of diesel oil by an Arabian Sea sediment culture isolated from the vicinity of an oil field”, *Bioresource Technology*, 95, 281-286 (IF=4.750)

CONFERENCES AND PRESENTATIONS

- 1. Sheeja Jagadevan**, Alexey Vorobev, Jeongdae Im, Jeremy Semrau “Pollutant degradation by the facultative methanotroph *Methylocystis* strain SB2 grown on ethanol” Gordon Research Conference, Molecular basis of microbial one-carbon metabolism, Bates College, Lewiston, Maine, USA, August 5-10, 2012.
- 2. Sheeja Jagadevan**, Manickam Jayamurthy, Ashok Bhattacharya, Peter Dobson, Ian Thompson “Nano-Catalysts In Remediation Of Recalcitrant Industrial Wastewater” Second IJAS Conference, Harvard University, Boston, May 29-June 2, 2011.
- 3. Sheeja Jagadevan**, Peter Dobson, Ian Thompson “Optimization of Fenton reagents using central composite design for hybrid treatment of recalcitrant metal-working fluid wastewater” SETAC Europe 21st Annual Meeting, Milan, Italy, 15-19 May 2011.
- 4. V.B. Manilal**, Y Shibu Vardhanan, **Sheeja Jagadevan**, Ajith Haridas “Coconut husk retting for coir extraction- anaerobic treatment of soaked liquor”, National Conference on Biological Treatment of Wastewater and Waste Air, Regional Research Laboratory (CSIR), Trivandrum, 28-29 August 2003, pp 133-143.
- 5. V.B. Manilal**, **Sheeja Jagadevan**, Y Shibu Vardhanan, Ajith Haridas. **2003** “Closed coconut husk retting- a novel approach”, National Conference on Biological Treatment of Wastewater and Waste Air, Regional Research Laboratory (CSIR), Trivandrum, 28-29 August 2003 pp 127-132.
- 6. Sheeja Jagadevan**, Suparna Mukherji, “Microbial decontamination of oil in the environment”, National Seminar on Energy and Environment, Anand Engineering College, Agra, 21-22 December 2001.