

## Dr. James Maki's Publications

- 2010** Konkol, N.R., J.R. Bruckner, C. Aguilar, D. Lovalvo and J.S. Maki. 2010. Dominance of epiphytic filaments *Thiothrix* spp. on an aquatic macrophyte in a hydrothermal vent flume in Sedge Bay, Yellowstone Lake, Wyoming. *Microbial Ecology* 60: 528-538.
- Choong, A.M.F., J.S. Maki, J.T.B. Ikhwan, C.L. Chen, D. Ritschof, and S.S.M. Teo. 2010. Pharmaceuticals as antifoulants: inhibition of growth and effect on adhesion of marine bacteria. Pp.221-246, In, *Biofouling: Types, Impact and Antifouling*, J. Chan and S. Wong, eds., Nova Science Publishers, Inc. Hauppauge, NY.
- Schauer-Gimenez, A.E., D.H. Zitomer, J.S. Maki, and C. Struble. 2010. Bioaugmentation for improved recovery of anaerobic digesters after toxicant exposure. *Water Research* 44: 3555-3564.
- Baer, J., and J.S. Maki. 2010. In Vitro evaluation of the antimicrobial effect of three endodontic sealers mixed with amoxicillin. *Journal of Endodontics* 36:1170-1173.
- 2009** Schauer-Gimenez, A., Maki, J.S., Struble, C.A., and Zitomer, D.H. 2009. Bioaugmentation with hydrogen-utilizers for anaerobic digester recovery. In *Proceedings of Water Environment Federation Technical Exposition and Conference (WEFTEC 2009)*, 632-640.
- 2007** Davis, J.M., J. Maki and J.K. Bahcall. 2007. An *In Vitro* Comparison of the Antimicrobial Effects of Various Endodontic Medicaments on *Enterococcus faecalis*. *Journal of Endodontics*, 33:567-569.
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- Singh, J.M., A. Dentino, and J.S. Maki. 2007. Can Jua be a weapon in combating oral diseases? *General Dentistry*, 55:559-563.
- 2006** Hoelscher, A., J.K. Bahcall, and J.S. Maki 2006 *In vitro* evaluation of the antimicrobial effects of a root canal sealer-antibiotic combination against *Enterococcus faecalis*. *Journal of Endodontics* 32: 145-147.
- 2004** Kavouras, J.H. and J.S. Maki. 2004. Inhibition of the reattachment of young adult zebra mussels by single-species biofilms and associated exopolymers. *Journal of Applied Microbiology*, 97: 1236-1246.
- 2003** Kavouras, J.H., and J.S. Maki. 2003. Effects of biofilms on zebra mussel postveliger attachment to artificial surfaces. *Invertebrate Biology* 122: 138-151.
- Fode-Vaughan, K.A., J.S. Maki, J.A. Benson and M.L.P. Collins. 2003. Direct PCR detection of *Escherichia coli* O157:H7. *Letters in Applied Microbiology* 37: 239-243.
- Kavouras, J.H., and J.S. Maki. 2003. The effects of natural biofilms on the reattachment of young adult zebra mussels to artificial substrata. *Biofouling* 19: 247-256.
- 2000** Maki, J.S., L. Ding, J. Stokes, J.H. Kavouras and D. Rittschof. 2000. Substratum/bacterial interactions and larval attachment: films and exopolysaccharides of *Halomonas marina* (ATCC 25374) and their effect on barnacle cypris larvae, *Balanus amphitrite* Darwin. *Biofouling* 16: 159-170.

- 1997-98** Maki, J.S., G. Patel, and R. Mitchell. 1998. Experimental pathogenicity of *Aeromonas* spp. for the zebra mussel *Dreissena polymorpha*. *Current Microbiology* 36:19-23
- 1996-97** Gu J.D., J.S. Maki and R. Mitchell. 1997. Microbial biofilms and their role in the induction and inhibition of invertebrate settlement. *Proceedings of the Sixth International Zebra Mussels Conference*, pp. 343-357.
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- 1995-96** Gatenholm P., C. Holmström, J.S. Maki and S. Kjelleberg. 1995. Toward biological antifouling surface coatings - marine bacteria immobilized in hydrogel inhibit barnacle larvae. *Biofouling*, 8:293-301.
- 1994-95** Maki, J.S., A.B. Yule, D. Rittschof and R. Mitchell. 1994. The effect of bacterial films on the temporary adhesion and permanent fixation of cypris larvae, *Balanus amphitrite* Darwin. *Biofouling* 8:121-131.
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- 1993-94** Henry, E.A., R. Devereux, J.S. Maki, C.C. Gilmour, C.R. Woese, L. Mandelco, R. Schauder, C.C. Remsen and R. Mitchell. 1994. Characterization of a new thermophilic sulfate-reducing bacterium *Thermodesulfobacterium yellowstonii* gen. nov. and sp. nov.: its phylogenetic relationship to *Thermodesulfobacterium commune* and their origins deep within the Bacterial domain. *Archives of Microbiology* 161: 62-69.
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- Clare, A.S., D. Rittschof, D.J. Gerhart and J.S. Maki. 1992. Molecular approaches to nontoxic antifouling. *Invertebrate Reproduction and Development* 22: 67-76. (review article)
- 1991-92** Maki, J.S., D. Rittschof and R. Mitchell. 1992. Inhibition of larval barnacle attachment to bacterial films: an investigation of physical properties. *Microb. Ecol.* 23:97-106.
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- 1988-89** Dillon, P.S., J.S. Maki and R. Mitchell. 1989. Adhesion of *Enteromorpha* swimmers to microbial films. *Microb. Ecol.* 17:39-47.
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- 1980-81** Marmorino, G.O., S.C. Danos and J.S. Maki. 1980. Temperature fine-structure of Lake Michigan hypolimnion. *Limnol. Oceanog.* 25:680-699.
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