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**Biological Sciences Publications—Calendar Year 2009**  
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**Books:**

- Jubin, R. T., DelCul, G. D., Giaquinto, J. M., Meyers, E. S., Ramey, D. W., Owens, R. S., et al. (2009). *AFCI Fuel Reprocessing R&D: Performance of the Coupled End-to-End Integrated Voloxidation and Dissolver Off-gas Treatment Systems*.
- Mansfield, B. K., Martin, S. A., Mills, M., & Wyrick, J. M. (2009). *Genomics:GTL Awardee Workshop VII and USDA-DOE Plant Feedstock Genomics for Bioenergy Awardee Workshop 2009*.
- Mielenz, J. R. (2009). *Preface* (Vol. 581). New York, New York USA: springer humana press.
- Yang, Y. (2009). *Use of Genomic DNA as A Reference in DNA Microarrays*. Totowa, New Jersey USA: Humana Press.

**Book Chapters:**

- Desikan, R., Tetard, L., Passian, A., Datar, R., & Thundat, T. (2009). Nanomechanical methods to study single cells. In K. Zengler (Ed.), *Assessing Uncultivated Microorganisms: from the Environment to Organisms and Genomes and Back*. Washington, D.C.: ASM Press.
- Giannone, R. J., Liu, Y., & Wang, Y. (2009). The monitoring and affinity purification of proteins using dual tags with tetracysteine motifs *Methods in molecular biology* (Vol. 544, pp. 421-438). Clifton, NJ: Springer.
- Parkinson, R. A., Dias, K. R., Horswell, J., Greenwood, P., Banning, N., Tibbett, M., et al. (2009). Microbial Community Analysis of Human Decomposition on Soil. In K. Ritz, L. Dawson & D. Miller (Eds.), *Criminal and Environmental Soil Forensics* (pp. 379-394). Heidelberg: Springer.
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- Qiu, Y., Vishnivetskaya, T. A., & Lubman, D. M. (2009). Proteomic Insights: Cryoadaptation of Permafrost Bacteria. In R. Margesin

(Ed.), *Permafrost Soils* (pp. 169-181). Heidelberg: Springer.  
Vishnivetskaya, T. A. (2009). Viable Cyanobacteria and Green Algae from the Permafrost Darkness *Permafrost Soils* (pp. 73-84).

### **Edited Books:**

Mielenz, J. (Ed.). (2009). *Biofuels Methods and Protocols* (Vol. 581). New Jersey: Humana Press.

### **Journal Articles:**

- Aklujkar, M., Krushkal, J., DeBartolo, G., Lapidus, A., Land, M. L., & Lovley, D. R. (2009). The genome sequence of *Geobacter metallireducens*: features of metabolism, physiology and regulation common and dissimilar to *Geobacter sulfurreducens*. *BMC Microbiology*, 9(109).
- Allen, M. A., Lauro, F. M., Williams, T. J., Burg, D., Siddiqui, K. S., De Francisci, D., et al. (2009). The genome sequence of the psychrophilic archaeon, *Methanococcoides burtonii*: the role of genome evolution in cold adaptation. *The ISME Journal*, 3, 1012-1035.
- Anderson, I., Ulrich, L. E., Lupa, B., Susanti, D., Porat, I., Hooper, S. D., et al. (2009). Genomic Characterization of Methanomicrobiales Reveals Three Classes of Methanogens. *PloS one*, 4(6), Online.
- Anderson, I. J., Dharmarajan, L., Rodriguez, J., Hooper, S., Porat, I., Ulrich, L. E., et al. (2009). The complete genome sequence of *Staphylothermus marinus* reveals differences in sulfur metabolism among heterotrophic Crenarchaeota. *Bmc Genomics*, 10, 145.
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### **Patents:**

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### **Technical Reports:**

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