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## Affiliations

- 1968, Ph.D., University of Nebraska
- 1968–71, University of Georgia
- 1971–72, Johns Hopkins University
- 1972–Present, The University of New Mexico

## Research Interests

- Energetics of sulfate reducers
- Metal metabolism in bacteria

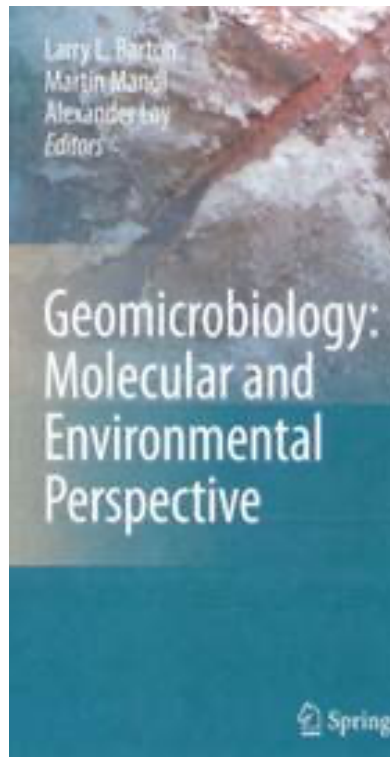
- Physiology of bacteria
- Iron uptake in plant-microbe systems

## Books Published

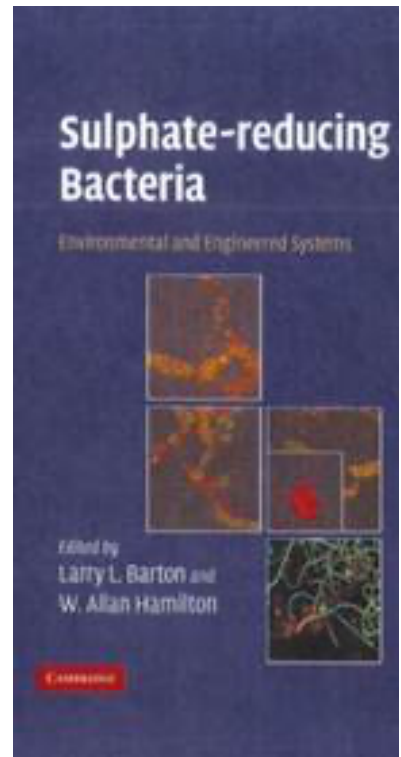
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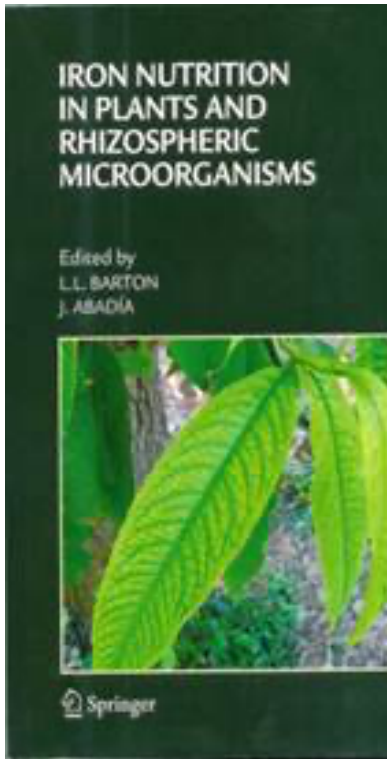
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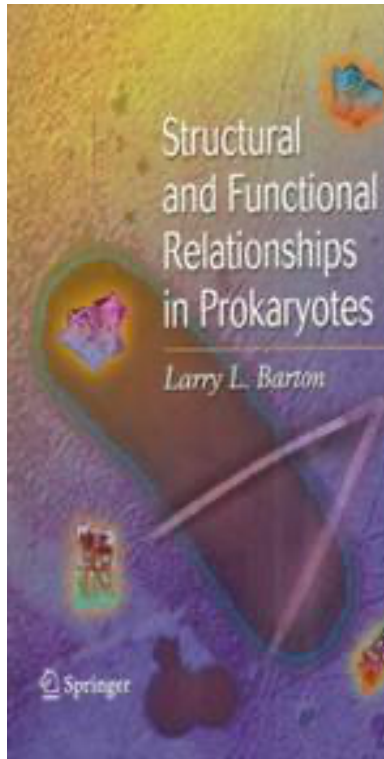
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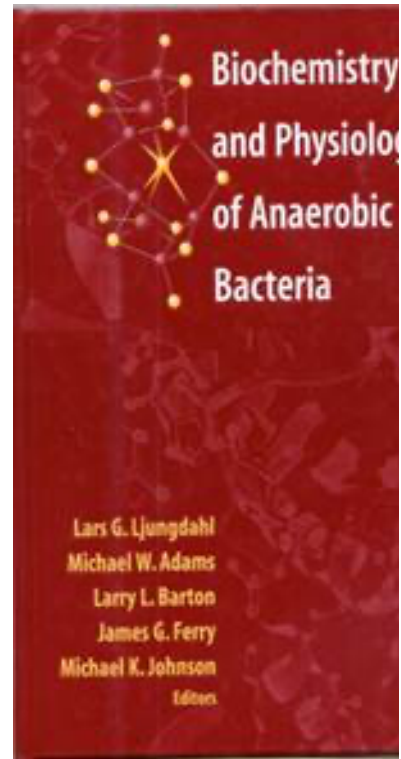
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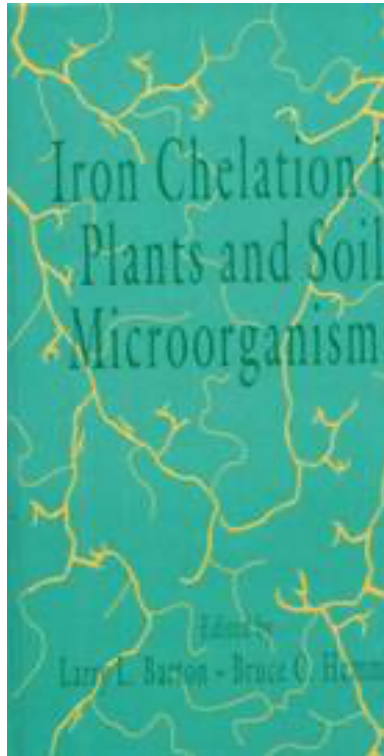
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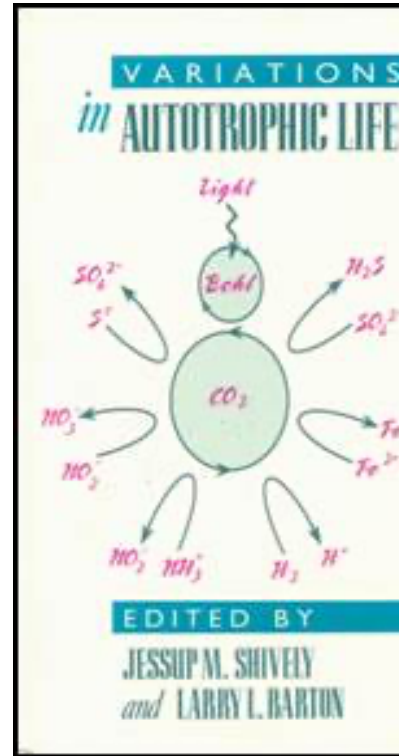
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1. L.L. **Barton** & D.E. Northup. Wiley, 2011.  
ISBN: 978-1-118-01584-1 (oBook)  
ISBN: 978-1-118-01582-7 (ePDF)
2. L.L. **Barton**, M. Mandl & A. Loy, Eds. Springer, 2010.  
ISBN 978-90-481-9203-8 (HB).  
ISBN 978-90-481-9204-5 (ebook)
3. L.L. **Barton** & W.A. Hamilton, Eds. Cambridge University Press, 2007.  
ISBN 978-0-521-85485-6 (HB)
4. L.L. **Barton** & Javier Abadia, Eds. Springer, 2006.  
ISBN 978-1-4020-4742-8 (HB) ISBN 978-1-4020-6623-8 (PB)  
ISBN 978-1-4020-4743-5 (ebook)
5. L.L. **Barton**. Springer-Verlag, 2005.  
ISBN 0-387-20708-2 (HB)
6. M. Adams, L.L. **Barton**, J. Ferry, L. Ljungdahl & M. Johnson, Eds. Springer, 2003.  
ISBN 0-387-95592-5 (HB)
7. L.L. **Barton**, Ed. Plenum Publishing Co., 1994.  
ISBN 0306-44857-2 (HB)
8. L.L. **Barton** & B.C. Hemming, Eds. Academic Press, 1993.  
ISBN 0-12-079870-0 (HB)
9. J.M. Shively & L.L. **Barton**, Eds. Academic Press, 1991.  
ISBN 0-12-540360-9 (HB)

## Selected Publications

Fauque, G.D. & L.L. **Barton**. In press, 2012. Haemoproteins in dissimilatory sulphate- and sulphur-reducing prokaryotes. *Advances in Microbia/ Physiology*.

Biswas, K.C., L.L. **Barton**, W.L. Tsui, K. Shuman, J. Gillespie & C.S. Ezeb. 2011. A novel method for the measurement of elemental selenium produced by bacterial reduction of selenite. *Journal of Microbiological Methods* 86:140–144.

Bishop, Y.M., L.L. **Barton** & G.V. Johnson. 2011. Influence of *Methylobacterium* on iron translocation in plants. *Biometals* 24:575-580.

**Barton, L.L. & G.D. Fauque.** 2009. Biochemistry, physiology and biotechnology of sulfate-reducing bacteria. *Advances in Applied Microbiology* 68:41-98.

Biswas, K.C., N.A. Woodards, H. Xu & L.L. **Barton.** 2009. Reduction of molybdate by sulfate-reducing bacteria. *Biometals* 22:131-140.

**Barton, L.L., F. Goulhen, M. Bruschi, N.A. Woodards, R.M. Plunkett & F.J.M. Rietmeijer.** 2007. The bacterial metallome: Composition and stability with specific reference to the anaerobic bacterium *Desulfovibrio desulfuricans*. *Biometals* 20:291-302.

Tucker, M.D., L.L. **Barton** & B.M. Thomson. 1996. Kinetic coefficients for simultaneous reduction of sulfate and uranium by *Desulfovibrio desulfuricans*. *Applied Microbiology and Biotechnology* 46:74-77.

Tomei, F.A., L.L. **Barton**, C.L. Lemanski, T.G. Zocco, N.H. Fink & L.O. Sillerud. 1995. Transformation of selenate and selenite to elemental selenium by *Desulfovibrio desulfuricans*. *Journal of Industrial Microbiology* 14:329-336.

## Professional Activities

- Founding editor and First Editor-in-Chief of *Anaerobe*.
- Secretary of International Biometals Society (IBS), 2011–present.
- Series Editor: SpringerBriefs in Biometals, 2011.

Organized:

- Fourth International Symposium on Iron Nutrition and Interactions in Plants, 1987, Albuquerque, NM.
- First International Biometals Symposium, 1997, Calgary, Canada.