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News: Drs. William R. Cullen and Kenneth J. Reimer publish new book “Arsenic is Everywhere: Cause for Concern?”

Arsenic is Everywhere: Cause for Concern? “This book begins with a discussion of how the word arsenic has a special (and often frightening) place in our society. The book ends with an invitation to dinner where the arsenic content and form of every potential food or beverage is considered. The idea is that while people cannot escape some exposure to arsenic, they can manage their intake. Other chapters include considerations of arsenic in the environment and in traditional and alternative medicines. The toxicity chapter discusses the challenges in determining if there is a safe dose of arsenic and how toxicity varies with chemical form” (Cullen and Reimer, 2017).

Co-authored by Drs. William R. Cullen and Kenneth J. Reimer, this book should be of interest to those studying arsenic as well as to an audience of non arsenic specialists. Both Drs. Cullen and Reimer are internationally recognized leaders in arsenic research. They have collaborated for about 40 years. A recently published special issue on arsenic (<http://www.sciencedirect.com/science/journal/10010742/49>) recognizes Dr. Cullen’s outstanding contributions to synthetic chemistry, environmental chemistry, microbiology, and toxicology of arsenic and its compounds (Le, 2016; Cullen et al., 2016). This special issue, published in November of 2016, consists of 20 articles by research groups from Australia, Canada, China, Europe, Japan, and the United States. Among these special contributions is a research article by Dr. Reimer and his colleagues (Nearing et al., 2016) on recent advances in understanding the formation of arsenobetaine (Popowich et

al., 2016), a common organic arsenic compound of little toxicity.

REFERENCES

- Cullen, W.R., Reimer, K.J., 2017. *Arsenic is Everywhere: Cause for Concern?* Royal Society of Chemistry, UK (<http://pubs.rsc.org/en/content/ebook/978-1-78262-314-4#!divbookcontent>)
- Cullen, W.R., Liu, Q., Lu, X., McKnight-Whitford, A., Peng, H., Popowich, A., Yan, X., Zhang, Q., Fricke, M., Sun, H., Le, X.C., 2016. Methylated and thiolated arsenic species for environmental and health research – a review on synthesis and characterization. *J. Environ. Sci.* 49:7–27. <http://dx.doi.org/10.1016/j.jes.2016.11.004>.
- Le, X.C., 2016. Professor William R. Cullen and arsenic chemistry. *J. Environ. Sci.* 49:1–6. <http://dx.doi.org/10.1016/j.jes.2016.11.001>.
- Nearing, M.M., Koch, I., Reimer, K.J., 2016. Uptake and transformation of arsenic during the reproductive life stage of *Agaricus bisporus* and *A. campestris*. *J. Environ. Sci.* 49:140–149. <http://dx.doi.org/10.1016/j.jes.2016.06.021>.
- Popowich, A., Zhang, Q., Le, X.C., 2016. Arsenobetaine: The ongoing mystery. *Natl. Sci. Rev.* 3:451–458. <http://dx.doi.org/10.1093/nsr/nww061>.