1. Record Nr. UNINA9910815057303321 Organometallics in environment and toxicology / / edited by Astrid **Titolo** Sigel, Helmut Sigel, Roland K. O. Sigel Pubbl/distr/stampa Berlin; ; Munich; ; Boston:, : De Gruyter, , 2010 ©2015 **ISBN** 3-11-043660-4 Descrizione fisica 1 online resource (608 pages): illustrations Collana Metal ions in life sciences; Volume 7 Disciplina 577.278 Soggetti Organometallic compounds - Environmental aspects Lingua di pubblicazione Tedesco **Formato** Materiale a stampa

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## Sommario/riassunto

Volume 7, devoted to the vital and rapidly expanding research area around metal-carbon bonds (see also MILS-6), focuses on the environment. With more than 2500 references, 35 tables, and nearly 50 illustrations, many of these in color, it is an essential resource for scientists working in the wide range from organometallic chemistry, inorganic biochemistry, environmental toxicology all the way through to physiology and medicine. In 14 stimulating chapters, written by 29 internationally recognized experts, Organometallics in Environment and Toxicology highlights in an authoritative and timely manner environmental cycles of elements involving organometal(loid) compounds as well as the analytical determination of such species. This book examines methane formation involving the nickel coenzyme F430, as well as the organometal(loid) compounds formed by tin, lead, arsenic, antimony, bismuth, selenium, tellurium, and mercury. In addition, it deals with the environmental bioindication, biomonitoring, and bioremediation of organometal(loid)s, and it terminates with methylated metal(loid) species occurring in humans by evaluating assumed and proven health effects caused by these compounds.