

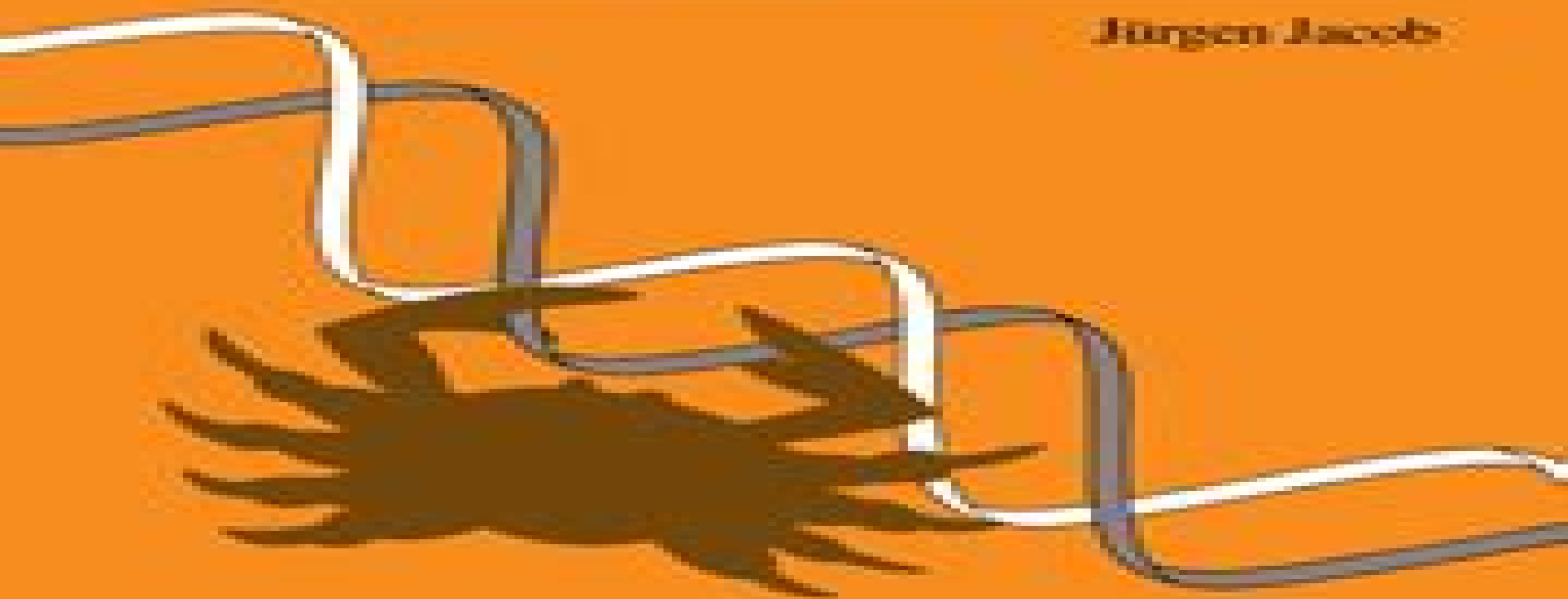
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# Sulfur analogues of polycyclic aromatic hydrocarbons (thiaarenes)

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Jürgen Jacobs



# Sulfur Analogues Of Polycyclic Aromatic Hydrocarbons Thiaarenes Environmental Occurrence Chemical And Biological Properties

**H Kauffman**



## **Sulfur Analogues Of Polycyclic Aromatic Hydrocarbons Thiaarenes Environmental Occurrence Chemical And Biological Properties:**

**Sulfur Analogues of Polycyclic Aromatic Hydrocarbons (Thiaarenes)** Jürgen Jacob, 1990 First published in 1990 Sulfur containing polycyclic aromatic compounds thiaarenes play a potentially important role in environmentally induced cancers The main sources of these compounds being fossil fuels such as coal petroleum and shale oils from which they are released either directly or via combustion into the environment Information on the specific contribution of thiaarenes to the mutagenic and carcinogenic potencies of environmental matter is very limited but this book gives credit to new and exciting data in this field Our present knowledge of the occurrence chemical and physical properties analysis synthesis toxicology and biochemistry of the sulfur containing aromatic compounds is summarized in this volume The first half of the book covers all aspects of chemistry and carcinogenicity whilst the remainder summarizes information on the various thiaarene systems compound by compound This volume will provide a valuable source of reference for chemists toxicologists biologists and environmentalists working in cancer research institutes and universities and for research scientists working in the areas of pollution monitoring public health and fuel chemistry Current Catalog National Library of Medicine (U.S.), First multi year cumulation covers six years 1965 70 **National Library of Medicine Current Catalog** National Library of Medicine (U.S.), 1990 **Forthcoming Books** Rose Army, 1990 Books in Print Supplement, 2002 **Subject Guide to Books in Print**, 1971 *American Book Publishing Record*, 1990 Quarterly Journal of the Indian Chemical Society Indian Chemical Society, 1999 **Methodology for Isolation and Characterization of Sulfur-containing Polycyclic Aromatic Hydrocarbons (thia-arenes) from Complex Environmental Mixtures** Christopher H. Marvin, B. E. McCarry, L. M. Allan, 1999 **Spectral Atlas of Polycyclic Aromatic Compounds** W. Karcher, J. Devillers, Ph. Garrigues, J. Jacob, 1991-09-30 This volume is the 3rd in a series of comprehensive publications devoted to the molecular spectra and environmentally important properties of polycyclic aromatic compounds which constitute one of the most interesting classes of environmental carcinogens Since the first identification of dibenz a h anthracene and later benzo a pyrene as chemical carcinogens in the 1930 s the number of publications devoted to this ubiquitously occurring group of compounds has increased constantly Therefore this reference source for the spectral physicochemical and environmental properties of polycyclic aromatic compounds should be a welcome addition to the previous volumes for scientists engaged in the investigation characterisation and control of this hazardous class of pollutants As was the case with the preceding volume this publication is the fruit of a close collaboration within the General Directorate for Science Research and Development of the Commission of the European Communities between the Environment Institute of the Joint Research Centre Ispra the Community Bureau of Reference and expert laboratories in the member states F Geiss Director of the Environment Institute JRC Ispra 1 Introduction Polycyclic Aromatic Compounds PAC are an important class of carcinogenic environmental

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