

Turkish Journal of Chemistry

Turkish Journal

of

Chemistry

 [Keywords](#)
 [Authors](#)



chem@tubitak.gov.tr

[Scientific Journals Home](#)
[Page](#)

Synthesis, Characterization and Biological Applications of Organotin(IV) Derivatives of 2-(2-Fluoro-4-biphenyl)propanoic Acid

Sohail MAHMOOD, Saqib ALI,

Moazzam Hussain BHATTI,

Mohammad MAZHAR, Rashid IQBAL

Department of Chemistry, Quaid-i-Azam University, Islamabad-PAKISTAN

e-mail: drsa54@yahoo.com

Khalid M. KHAN, Ghulam Murtaza MAHARVI

H.E.J. Research Institute of Chemistry, University of Karachi, Karachi-PAKISTAN

Abstract: A series of organotin(IV) derivatives with the general formula $R_{4-n}SnL_n$ (where $n = 1$ or 2 , $R =$ Me, Et, n-Bu, Ph and $L = 2$ -(2-fluoro-4-biphenyl)propanoate) have been synthesized and characterized by infrared, multinuclear NMR (1H , ^{13}C , ^{119}Sn), ^{119m}Sn Mössbauer spectroscopy and mass spectrometry. Screening tests of these compounds showed that they are highly active against various bacteria and fungi.

Turk. J. Chem., **27**, (2003), 657-666.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Chem., vol.27, iss.5.](#)