



Contents to Volume 46

Volume 46 Nos. 1–2 June 2003

Original Articles

- FILIZ TANERI, TAMER GUNERI, ZOLTÁN AIGNER, ISTRÁU ERÖS and MICHAEL KATA / Improvement of the Physicochemical Properties of Clotrimazole by Cyclodextrin Complexation 1–13
- M. PERRIN, C. BAVOUX, F. VOCANSON, R. LAMARTINE, C. DESROCHES, P. MIELE and S. PAROLA / The Structure of the Pyridine Complex of *p*-tetrakis(phenylazo)-tetra-hydroxythiacalix[4]arene 15–17
- O.I. KALCHENKO, A.V. SOLOVYOV, S.A. CHERENOK, N.F. STARODUB and V.I. KALCHENKO / Complexation of Calix[4]arenephosphonous Acids with 2,4-Dichlorophenoxyacetic Acid and Atrazine in Water 19–25
- YURII A. SIMONOV, MARINA S. FONARÍ, JANUSZ LIPKOWSKI, ARKADII A. YAVOLOVSKII and EDUARD V. GANIN / Preparation and X-Ray Study of Inclusion Complexes of (4*Z*,5*E*)-Pyrimidine-2,4,5,6(1*H*,3*H*)-Tetraone 4,5-Dioxime and the Product of Its Cyclization, (1,2,5)-Oxadiazolo(3,4-*d*)-Pyrimidine-5,7(4*H*,6*H*)-Dione with Two 18-Membered Macrocycles 27–35
- MINO R. CAIRA, ELISE DE VRIES, LUIGI R. NASSIMBENI and VICTOR W. JACEWICZ / Inclusion of the Antidepressant Paroxetine in β -cyclodextrin 37–42
- M.A. ZANJANCHI and SH. SOHRABNEJAD / Intercalation of Methylene Blue into Mordenites: Role of Zeolite Acidity 43–49
- SEVIM AKYUZ and TANIL AKYUZ / FT-IR Spectroscopic Investigation of Adsorption of Pyrimidine on Sepiolite and Montmorillonite from Anatolia 51–55
- J. ERIC D. DAVIES and NUSRAT JABEEN / The Adsorption of Herbicides and Pesticides on Clay Minerals and Soils. Part 2. Atrazine 57–64
- ERIC DA SILVA, CHARLÈNE VALMALLE, MICHEL BECCHI, CLAUDE-YVES CULLERON and ANTHONY W. COLEMAN / The Use of Electrospray Mass Spectrometry (ES/MS) for the Differential Detection of Some Steroids as Calix-[*n*]-arene Sulphonate Complexes 65–69
- YOSHIMI SUEISHI, MASAMICHI KASAHARA, MUNENORI INOUE and KAZUYOSHI MATSUEDA / Effects of Substituent and Solvent on Inclusion Complexation of β -Cyclodextrins with Azobenzene Derivatives 71–75
- TIAGO A.S. BRANDÃO, ANGELA MALHEIROS, JACIR DAL MAGRO, VALDIR CECHINEL FILHO and ROSENDO A. YUNES / Characterization of Sesquiterpene Polygodial-Beta Cyclodextrin Inclusion Complex 77–81
- DA-CHENG LI, ZENG-XIN LI, JIAN-MIN DOU and DA-QI WANG / One-dimensional Chain Crown Ether Complexes. Synthesis and Crystal Structure of Benzo-18-Crown 6 Complexes with Na₂[M(SCN)₄] (M = Pd, Pt) 83–88
- EIJI KANEZAKI / Unexchangeable Interlayer Anions; Synthesis and Characterization of Zn/Al- and Mg/Al-Layered Double Hydroxides with Interlayer Alizarin red S 89–95
- K. NO, HYE J. CHUNG, HYUN J. YU, SEUNG H. YANG, KWAN H. NOH, P. THUÉRY, J. VICENS and JONG S. KIM / 1,3-Alternate and C-1,2-Alternate Tetrahomodioxacalix[4]crowns. Crystal Structures and Metal Ion Complexation 97–103
- XINGGUO CHEN, LI ZOU, XUAN ZHANG, JINGUI QIN, MAKOTO INOKUCHI and MINORU KINOSHITA / The Intercalation of 4-Aminopyridine into Layered FePS₃ 105–110
- FU-AN CHEN, AN-BANG WU and CHAU-YANG CHEN / Inclusion Complex of Carprofen with Hydroxypropyl- β -cyclodextrin 111–115
- Instructions for Authors 117–120

Original Articles

ANA M. COSTERO, ROSARIO ANDREU, RAMÓN MARTÍNEZ-MÁÑEZ, FÉLIX SANCENÓN and JUAN SOTO / A Fluorescent Chemosensor Able to Distinguish between Ionic and Covalent Mercury Compounds	121–124
MAGNUS STÖDEMAN, ISABEL GÓMEZ-ORELLANA and DAN HALLÉN / Thermodynamics of Binding of α -Cyclodextrin to Straight-Chain Alkyl Derivatives in Aqueous Solution	125–132
H.-J. BUSCHMANN, L. MUTIHAC and E. SCHOLLMAYER / Complexation of Some Amino Acids and Peptides by <i>p</i> -Sulfonatocalix[4]arene and Hexasodium <i>p</i> -Sulfonatocalix[6]arene in Aqueous Solution	133–137
GABRIELA ROA-MORALES, LAURA GALICIA and M.T. RAMÍREZ-SILVA / Evidence of Ternary Inclusion Complexes Formation Using Factorial Design and Determination of Their Formation Constant	139–145
JONGMIN KANG and NA-YOUNG CHEONG / Development of a Binary Sensory System Based on Nitrobenzene Functionalized Homotrioxacalix[3]arene and Pyrenemethylamine Hydrochloride	147–153
MOONSUK KANG, SOOK KYUNG KIM, BONG-GU KANG, KAP DUK LEE and JUYOUNG YOON / Syntheses and Cation Complexation Studies of New Cavitand Derivatives	155–159
ERIC DA SILVA, FARID NOUAR, ANTHONY W. COLEMAN, BETH RATHER and MICHAEL J. ZAWOROTKO / Solution and Solid-State Interactions between Para-sulphonato-Calix-[4]-Arene and Some Common Organic Biological Buffers	161–166
SUSAN E. BROWN, CHRISTOPHER J. EASTON and JAMES B. KELLY / Surface Plasmon Resonance to Determine Apparent Stability Constants for the Binding of Cyclodextrins to Small Immobilized Guests	167–173
PATRICK SHAHGALDIAN, ERIC DA SILVA and ANTHONY W. COLEMAN / A First Approach to the Study of Calixarene Solid Lipid Nanoparticle (SLN) Toxicity	175–177
FRANCESCO BARBATO, BRUNELLA CAPPELLO, MARIA IMMACOLATA LA ROTONDA, AGNESE MIRO and FABIANA QUAGLIA / Diclofenac/ β -Cyclodextrin Binary Systems: A Study in Solution and in the Solid State	179–185
LUIZ FERNANDO DA SILVA, JAIRO TRONTO, HERENILTON PAULINO OLIVEIRA and JOÃO BARROS VALIM / Intercalation and Electrochemical Studies of Nitroprusside Anion into Zn-Al Layered Double Hydroxide	187–193
YUJUAN CAO, XIAOHUA XIAO, RUNHUA LU and QINGXIANG GUO / Theoretical Study of the Inclusion Processes of Ibuprofen Enantiomers with Native and Modified β -CDs	195–200
HONG-SEOK KIM, DONG-HYUN KIM, KI SOO KIM, HEUNG-JIN CHOI, JUN HO SHIM, IN SEOK JEONG, GEUN SIG CHA and HAKHYUN NAM / Synthesis and Properties of 1,3,5-Tris(phenoxyethyl)-2,4,6-triethylbenzenes as NH_4^+ Ionophores	201–205
JAN S. JAWORSKI, AGNIESZKA LEWICKA and ROMANA ANULEWICZ / Complexes of Mercury(II) Cyanide with Crown Ethers in Dimethylsulfoxide	207–211
Erratum	213
Author Index	215–216
Subject Index	217–218
Volume Contents	219–220