



Contents to Volume 43

Volume 43 Nos. 1–2 June 2002

Review Article

- KIM LAMBERTSEN LARSEN / Large Cyclodextrins 1–13

Original Articles

- HEUNG-JIN CHOI, DONG-HEE LEE, YEON SIL PARK, IN-KYU LEE and YOUNG-CHUL KIM / A Magnesium-Selective Ionophore Containing Four Amide Carbonyl Ligands Derived from L-Tartaric Acid and Axial Furano Oxygen Binding Sites 15–18
- CHANGSHENG LU, XIAOMING REN, LING LIU, YUE ZHANG, CHUANJIANG HU, HUIZHEN ZHU and QINGJIN MENG / The Inclusion Complex of Ferrocene with a Diethiolene Functionalized β -Cyclodextrin 19–23
- S.P. BABAILOV, L.D. NIKULINA and J.H. KRIEGER / Intramolecular Dynamics of Lanthanide(III) Tetraoxadiazacyclooctane Complexes in Solution as Studied by NMR 25–29
- TOMONOBU UCHINO, YUICHI TOZUKA, TOSHIO OGUCHI and KEIJI YAMAMOTO / Inclusion Compound Formation of Amylose by Sealed-Heating With Salicylic Acid Analogues 31–36
- EVA SCHNEIDERMAN and APRYLL M. STALCUP / Binary and Ternary Complexes Between Lauryl Hexaoxyethylene, Benzoate and Cyclodextrin. Part I. α -CD 37–42
- EVA SCHNEIDERMAN, BRUNO PERLY, ELWOOD BROOKS and APRYLL M. STALCUP / Binary and Ternary Complexes Between Lauryl Hexaoxyethylene, Benzoate and Cyclodextrin. Part II. β -CD 43–50
- JONG SEUNG KIM, JEONG AH RIM, OK JAE SHON, KWAN HO NOH, EUN-HEE KIM, CHAEJOON CHEONG and JACQUES VICENS / Cation Recognition by Picolyl-Armed Calix[4]crown-5-azacrown-5s 51–54
- RICHARD A. SACHELBEN, JEFFREY C. BRYAN, GOUTAM DAS, TANNEGUY DESCAZEAUD, YUNFU SUN and BRUCE A. MOYER / Synthesis, Structure, and Extraction Properties of *paco*-Calix[4]arene Crown-6 Ethers 55–64
- ELLA KH. KAZAKOVA, ALBINA U. ZIGANSHINA, LIYA A. MUSLINKINA, JULIJA E. MOROZOVA, NELLY A. MAKAROVA, ASIJA R. MUSTAFINA and WOLF D. HABICHER / The Complexation Properties of the Water-Soluble Tetrasulfonatomethyl-calix[4]resorcinarene toward α -Aminoacids 65–69
- SOOK KYUNG KIM, MI YEON BANG, SANG-HYEON LEE, KENSUKE NAKAMURA, SEON-WOOG CHO and JUYOUNG YOON / New Fluorescent Chemosensors for Cationic Guests: 1,8-Bis(azacrown)anthracenes 71–75
- TATSUYA OSHIMA, MASAHIRO GOTO and SHINTARO FURUSAKI / Extraction Behavior of Amino Acids by Calix[6]arene Carboxylic Acid Derivatives 77–86
- TAKUJI HIROSE, KUMIKO NAITO, MEGUMI NAKAHARA, HIROAKI SHITARA, YOSHIO AOKI, HIROYUKI NOHIRA, BRUCE W. BALDWIN / New Chiral Kemp's Acid Diamides for Chiral Amine Recognition by ^1H NMR 87–93
- LUDVÍK BENEŠ, VÍTĚZSLAV ZIMA, KLÁRA MELÁNOVÁ, MIROSLAVA TRCHOVÁ and PAVEL MATĚJKO / Intercalates of Vanadyl Phosphate with Aliphatic Nitriles 95–99
- A. ELYAHYOUI, S. BOUHLASSA and I. MAATALLAH / Crystals of New Ferric Acid Phosphate, $\text{Fe}_3\text{H}_3(\text{PO}_4)_4 \cdot 6\text{H}_2\text{O}$, Performed by Inorganic Sol-Gel Process 101–106
- JOHN C. PAPAIOANNOU, THANOS C. GHIKAS and IRENE M. MAVRIDIS / Dielectric Relaxation of the β -Cyclodextrin Complexes with Tridecanoic Acid and 1,13-Tridecanedioic Acid 107–113
- SUSANA S. BRAGA, THAMMARAT AREE, KAYO IMAMURA, PIERRE VERTUT, I. BOAL-PALHEIROS, WOLFRAM SAENGER, and JOSÉ J.C. TEIXEIRA-DIAS / Structure of the β -Cyclodextrin-*p*-Hydroxybenzaldehyde Inclusion Complex in Aqueous Solution and in the Crystalline State 115–125
- LUÍS CUNHA-SILVA and JOSÉ J.C. TEIXEIRA-DIAS / Aqueous Solution Inclusion of the Nonionic Surfactant C_{12}E_4 in β -Cyclodextrin: Implications of Micellization in Stoichiometry Determination and Model Calculations 127–131
- ALEXANDRE MATHIEU, ZOUHAIR ASFARI and JACQUES VICENS / Synthesis and Structure of a Bis-calix[4]arene with an *o*-Xylene Linkage 133–135
- TAKEHIKO YAMATO, KAZUFUMI KOHNO and KOJI TSUCHIHASHI / Synthesis, Structures and Ion Selectivity of Homocalix[3]arene Thioketals derived from Homocalix[3]arene Ketones 137–144

GÁBOR TÓTH, BARBARA BALÁZS, GYULA HORVÁTH, DAMIAN MAGIERA, HELMUT DUDDECK and ISTVÁN BITTER / Structure Determination of Zinc Complexes of Iminodiacetamide Ionophores in Solution and in the Solid State	145–148
Book Review	149–151
Conference Diary	153
Instructions for Authors	155–158

Volume 43 Nos. 3–4 August 2002

Review Article

W. ABRAHAM / Inclusion of Organic Cations by Calix[n]arenes	159–174
---	---------

Original Articles

HALIT KANTEKİN, ÜMMÜHAN OCAK and YAŞAR GÖK / Solvent Extraction of Heavy Metals with a 23-Membered Macrocyclic Ionophore Attached with BF_2^+ -Capped Cobalt(III) Complex	175–178
B.F. GRAHAM, J.M. HARROWFIELD, R.D. TENGROVE, A.F. LAGALANTE and T.J. BRUNO / Evidence of a Host:Guest Complex between <i>p</i> -t-Butylcalix[4]arene and Carbon Dioxide	179–182
PEIQING ZHENG, ZHEN LI, LINHUI TONG and RUNHUA LU / Study of Inclusion Complexes of Cyclodextrins with Orange II	183–186
SERGEY P. BABAILOV and DMITRY A. MAINICHEV / NMR Studies of Mixed-Ligand Lanthanide (III) Complexes. Peculiarities of Molecular Structure, Dynamics and Paramagnetic Properties for Cerium Subgroup Chelates with Crown Ethers	187–194
KI-YOUNG CHOI / A Novel Three-Dimensional Copper(II) Complex Linked by Covalent and Hydrogen Bonds: $[\text{Cu}_2(\text{L})(\text{PDC})_2(\text{H}_2\text{O})_2]\cdot 12\text{H}_2\text{O}$ ($\text{L} = 3,14\text{-dimethyl-2,6,13,17-tetraazatricyclo[14.4,0^{1,18},0^{7,12}]\text{docosane}}$, PDC = 2,3-pyrazinedicarboxylate)	195–199
A. WEGO, K. JANSEN, H.-J. BUSCHMANN, E. SCHOLLMEYER and D. DÖPP / Synthesis of Cucurbit[5]uril-Spermene-[2]Rotaxanes	201–205
M. C. DURAI MANICKAM, K. PITCHUMANI and C. SRINIVASAN / Addition of Bromine to <i>trans</i> -Stilbene: Reversal of Stereoselectivity upon Cyclodextrin Complexation	207–211
QI QU, EDWARD TUCKER and SHERRIL D. CHRISTIAN / Sulfoalkyl Ether β -Cyclodextrin Derivatives: Synthesis and Characterizations	213–221
YAO FU, LEI LIU and QING-XIANG GUO / A Theoretical Study on the Inclusion Complexation of Cyclodextrins with Inorganic Cations and Anions	223–229
GHOLAMHOSSEIN ROUNAGHI, ALI SARAFRAZ YAZDI and ZAHRA MONSEF / A Polarographic Study of Tl^+ , Pb^{2+} and Cd^{2+} Complexes with Dicyclohexano-18-Crown-6 in Some Binary Mixed Solvents	231–237
EDWIN WEBER, CORNELIA HELBIG, WILHELM SEICHTER and MÁTYÁS CZUGLER / A New Functional Cyclophane Host. Synthesis, Complex Formation and Crystal Structures of Three Inclusion Compounds	239–246
ANTHONY I. DAY, RODNEY J. BLANCH, ANDREW COE and ALAN P. ARNOLD / The Effects of Alkali Metal Cations on Product Distributions in Cucurbit[n]uril Synthesis	247–250
BRUNELLA CAPPELLO, CLELIA DI MAIO and MARIA IERVOLINO / Investigation on the Interaction of Bendazac with β -, Hydroxypropyl- β -, and γ -Cyclodextrins	251–257
DONGYU ZHAO, KAIJUN LIAO, XUEYI MA and XIAOHUA YAN / Study of the Supramolecular Inclusion of β -Cyclodextrin with Andrographolide	259–264
DURALİ MENDİL, AHMET BİLGİN, YAŞAR GÖK and H. BASRİ ŞENTÜRK / Synthesis and Characterization of a New (E, E)-Dioxime and Its Homo and Heteronuclear Complexes Containing Macrocyclic Moieties	265–270
MOHAMMED AKHTER HOSSAIN, KEIKO TAKAHASHI, HISAKAZU MIHARA and AKIHIKO UENO / Molecule-Responsive Fluorescent Sensors of α -Helix Peptides Bearing α -Cyclodextrin, Pyrene and Nitrobenzene Units in Their Side Chains	271–277
RALF KIRCHNER, JÜRGEN SEIDEL, GERT WOLF and GÜNTHER WULFF / Calorimetric Investigation of Chiral Recognition Processes in a Molecularly Imprinted Polymer	279–283
HASALETIN DELİGÖZ / Synthesis and Properties of a Series of Novel Calix[6]arene Diazo Derivatives	285–289
ANIL D. NAIK, SATISH M. ANNIGERI, UMESH B. GANGADHARMATH, VIDYANAND K. REVANKAR and VINAYAK B. MAHALE / Thiocarbohydrazide as “Diamine” to Construct Macroyclic and Side-Off Compartmental Ligands	291–297
GÖNÜL YAPAR and ÇAKIL ERK / Novel Methods of Synthesis of Dibenzo[3n]crown-n and Their Cation Binding Studied by Fluorescence Spectroscopy. Part V	299–303
O. I. KALCHENKO, E. DA SILVA and A. W. COLEMAN / Determination of the Stability Constants of Inclusion Complexes of <i>p</i> -H-37-(2-carboxy-methoxy)-calix-[6]-arene and <i>p</i> -sulphonato-37-(2-carboxy-methoxy)-calix-[6]-arene with 15 Amino Acids by RP-HPLC	305–310
ANNE MAGALI LAYRE, NOËLLE MARTINE GOSSELET, ESTELLE RENARD, BERNARD SEBILLE and CATHERINE AMIEL / Comparison of the Complexation of Cosmetical and Pharmaceutical Compounds with γ -Cyclodextrin, 2-Hydroxypropyl- β -cyclodextrin and Water-Soluble β -Cyclodextrin-co-epichlorhydrin Polymers	311–317

ELINA VIRTANEN, JARI TAMMINEN, JUHA LINNANTO, PIA MÄNTTÄRI, PIRJO VAINIOTALO and ERKKI KOLEHMAINEN / Synthesis, ^1H , ^{13}C , ^{15}N , and ^{113}Cd NMR, ESI-TOF MS, Semiempirical MO (PM3), <i>ab initio</i> /HF and Cation/Anion Binding Studies of <i>N</i> -deoxycholy-L-tryptophan	319–327
J. ERIC D. DAVIES and NUSRAT JABEEN / The Adsorption of Herbicides and Pesticides on Clay Minerals and Soils. Part 1. Isoproturon Conference Diary	329–336
Author Index	337
Subject Index	339–341
Contents to Volume 43	343–344
	345–347