

Contents of Vol. 11, No.4 (1999)

REVIEW

A Brief Resume of the Genus *Lagerstroemia*
A. Sinhababu, S. Laskar, S. Thakur and B.K. Basak
Asian J. Chem., Vol. 11, pp. 1089-1106 (1999)

Fluoroxysulphate: A Powerful New Oxidant, Kinetic Aspects
G.L. Agrawal, Rajesh Chourasia, G.A. Lari and Priti Agrawal
Asian J. Chem., Vol. 11, pp. 1107-1112 (1999)

ARTICLES

Spectra of Nd³⁺ Doped Boro-tellurite Glasses
K. Thyagarajan and S. Budhudu
Asian J. Chem., Vol. 11, pp. 1113-1118 (1999)

Synthesis and Antimicrobial Activity of Substituted-3-bromoflavonone
P.S. Utale, P.B. Raghuwanshi and A.G. Doshi
Asian J. Chem., Vol. 11, pp. 1119-1122 (1999)

Synthesis and Antimicrobial Activity of Some Substituted Azetidine-2-ones
Manoj D. Prabhavat, A.R. Vyawahare and B.J. Ghiya
Asian J. Chem., Vol. 11, pp. 1123-1126 (1999)

Synthesis and Antimicrobial Activity of 3-Substituted phenyl-5-(5'-substituted-2'-phenylindol-3'-yl)-1,2-diazoles and 3-Substituted phenyl-5-(5'-substituted-2'-phenylindol-3'-yl)-isoxazoles
Renukadevi Patil and J.S. Biradar
Asian J. Chem., Vol. 11, pp. 1127-1136 (1999)

Vibrational Spectra and Analysis of Tryptophan
S. Mohan, N. Puviarasan and S. Bakkialakshmi
Asian J. Chem., Vol. 11, pp. 1137-1143 (1999)

Effects of Water Quality on Reeling Performance and Raw Silk Quality of Silkworm (Br-Urboshi) Cocoons: Water of Bholahat Region
M. Munsur Rahman
Asian J. Chem., Vol. 11, pp. 1144-1148 (1999)

Synthesis and Properties of Two Novel Ru(phen)₃²⁺-based Probes for Electrochemiluminescent Immunoassay
Peng Wang and Guoyi Zhu
Asian J. Chem., Vol. 11, pp. 1149-1154 (1999)

Oxidation of Various Types of Lac by Periodic Acid
M. Munsur Rahman
Asian J. Chem., Vol. 11, pp. 1155-1158 (1999)

Titanium(IV) Derivatives of N-[*o*-Hydroxy Substituted (or H) Benzyl] Glycines
Robina Aman, Shasti Ballabh Mishra, Hema Pandey and Madhup Chandra
Asian J. Chem., Vol. 11, pp. 1159-1166 (1999)

Mono-, Di- and Tri-Butyltin Derivatives of N-(2-Hydroxy Methyl Substituted benzyl)
Valines
Shasti Ballabh Mishra and Madhup Chandra
Asian J. Chem., Vol. 11, pp. 1167-1177 (1999)

Improvement of Primary-Secondary Wavelengths Spectrophotometric Determination of
Trace Amounts of Sulfide in Water
Hong-Wen Gao
Asian J. Chem., Vol. 11, pp. 1178-1184 (1999)

Synthetic and Physico-chemical Studies of Newly Synthesized Terpolymers Derived from
Salicylaldehyde, Biuret and Trioxane
S.V. Bawankar, L.J. Paliwal and R.B. Kharat
Asian J. Chem., Vol. 11, pp. 1185-1204 (1999)

Spectrophotometric Studies of Charge Transfer Complex between *p*-Chloranil and Certain
Aromatic Amines at 302 K
B. Prabitha, S. Periandy and K. Govindan
Asian J. Chem., Vol. 11, pp. 1205-1210 (1999)

Determination of Trace Amounts of Arsenic in Waste Water by Primary-Secondary
Wavelengths Spectrophotometry
Hong-Weng Gao
Asian J. Chem., Vol. 11, pp. 1211-1216 (1999)

Synthesis of Some New Polysiloxane Ligand (Glycinate)-Part II
I.M. El-Nahhal, H.M. El-Kurd and R.V. Parish
Asian J. Chem., Vol. 11, pp. 1217-1224 (1999)

Primary-Secondary Wavelengths Spectrophotometric Determination of Trace Amounts of
Cyanide in Waste Water
Hong-Wen Gao
Asian J. Chem., Vol. 11, pp. 1225-1230 (1999)

Contribution to the Study of Some Hydroxamic Acid Derivatives and Their Use in
Gravimetric Determination
M.I. Roushdy, Y.M. Issa, S.M. El-Zein and F.M.S. El-Deen Harb
Asian J. Chem., Vol. 11, pp. 1231-1238 (1999)

Molecular Interactions Studies Using Excess Thermodynamic Function in the Binary
Mixtures of Cyclohexanol with Bromo, Chloro and Nitro Substituted Benzenes
P. Rajendirane, S. Periandi and K. Govindan
Asian J. Chem., Vol. 11, pp. 1239-1245 (1999)

Role of Nitric Oxide in Thiol Mediated Ion Migration

A.V. Chitre

Asian J. Chem., Vol. 11, pp. 1246-1250 (1999)

Synthetic, Structural and Thermal Studies of Some Coordination Polymers of Sebacyl Bis-Biuret with First Transition Series Metals

Sushmita M. Roy, H.D. Juneja and K.N. Munshi

Asian J. Chem., Vol. 11, pp. 1251-1258 (1999)

Radical Copolymerization and Characterization of N-(Tri-*n*-Butyltin) Maleimide Monomer with Styrene, Methyl Methacrylate and N-Vinyl-2-pyrrolidinone

Nayef S. Al-Muaikel, Salem S. Al-Diab and Hamad Z. Al-Khathlan

Asian J. Chem., Vol. 11, pp. 1259-1264 (1999)

Synthesis and Studies of Possible Pharmacologically Active Heterocyclic Compounds

S.S. Nayal and C.P. Singh

Asian J. Chem., Vol. 11, pp. 1265-1270 (1999)

Oxidation of *para*-Methoxy Benzaldehyde and Salicylaldehyde by N-Sodio-N-chlorobenzene Sulphonamide (Chloramine-B) in Acid Medium: A Kinetic and Mechanistic Study

S.K. Revathi, Rangaswamy and S. Ananda

Asian J. Chem., Vol. 11, pp. 1271-1275 (1999)

Reactions of Isoxazoline and Isoxazole Derivatives with Hydrazine Hydrate

S.T. Abu-Orabi, R. Al-Hamdany, La. Al-Momany and E.A. Ta'an

Asian J. Chem., Vol. 11, pp. 1276-1282 (1999)

Synthesis and Studies of Thorium(IV) and Uranyl(VI) Complexes with Some Bidentate Schiff Bases

M.M. Shaikh, B.K. Nayak and E.R. Agharia

Asian J. Chem., Vol. 11, pp. 1283-1290 (1999)

Synthesis and Biological Activity of 2-Methylpiperazine-dithiocarbamate and Di-(2-methyl-5-chlorophenyl) Dithiophosphinato Derivatives of Triorganotin(IV) Chloride

P.K. Gogoi, D.P. Phukan and D.K. Das

Asian J. Chem., Vol. 11, pp. 1291-1295 (1999)

A Thermodynamic View on Solvent Effects of Selected S_N^2 Reactions

O. Dabbit, S. Kadri, S. Wasif, A. Khalil and Salama B. Salama

Asian J. Chem., Vol. 11, pp. 1296-1306 (1999)

A New Series of Ru(II) Polypyridine Surfactants: Synthesis, 2D NMR, Fluorescence, Electrochemistry and Electrochemiluminescence

Peng Wang and Guoyi Zhu

Asian J. Chem., Vol. 11, pp. 1307-1312 (1999)

Spectrophotometric Determination of Copper(II) and Iron(III) with 2,4-Dihydroxy-5-bromoacetophenone Thiosemicarbazone

M.J. Desai and K.K. Desai

Asian J. Chem., Vol. 11, pp. 1313-1316 (1999)

Tin(IV) Derivatives of N-[*o*-Hydroxy Substituted (or H) benzyl] Glycines
Robina Aman, Reeta Sharma, Shasti Ballabh Mishra and Madhup Chandra
Asian J. Chem., Vol. 11, pp. 1317-1322 (1999)

Specific-Base Catalyzed Hydrolysis of Methyl Salicylate and Isoamyl Salicylate in Water-Ethanol Binary Solvent System
Bihari Singh, Sant Kishore Prasad and Rajiv Ranjan
Asian J. Chem., Vol. 11, pp. 1323-1328 (1999)

Studies of Vanadyl(IV) Complexes with Schiff Bases of 2-Aminopyridine
Kishor Arora, R.C. Goyal, D.P. Sharma and M.C. Pathak
Asian J. Chem., Vol. 11, pp. 1329-1333 (1999)

Diastereoselective Synthesis of Chiral Bicyclic Phosphoramides Derived from (S)-2-(Anilinomethyl) Pyrrolidine
H.M. El-Hendawi, D.J. Berrisford, R.M. Barak and I.M. El-Nahhal
Asian J. Chem., Vol. 11, pp. 1334-1342 (1999)

Characterization of the Chemical Grafted Bentonite Supports by Gas Chromatography
A.A. Ramadan, S. Antakli and A. Alhaj Sakur
Asian J. Chem., Vol. 11, pp. 1343-1347 (1999)

Kinetics and Mechanism of Oxidation of *o*-Toluidine by Sodium-N-chlorobenzene Sulphonamide (Chloramine-B) in Acid Medium
M.G. Ramananda and S. Ananda
Asian J. Chem., Vol. 11, pp. 1348-1352 (1999)

Kinetics and Mechanism of Oxidation of Ethylglycol by Alkaline Hexacyanoferrate(III) Ions
Anjali Goel, G.R. Verma and H.S. Singh
Asian J. Chem., Vol. 11, pp. 1353-1356 (1999)

Oxozirconium(IV) Complexes with Schiff base of 2-Aminopyridine
Kishor Arora, D.P. Sharma and Susheel Sharma
Asian J. Chem., Vol. 11, pp. 1357-1360 (1999)

Dual-Wavelengths Spectrophotometry for Improving the Determination of Acetone in Waste Water
Hong-Wen Gao
Asian J. Chem., Vol. 11, pp. 1361-1364 (1999)

Primary-Secondary Wavelengths Spectrophotometric Determination of Manganese in Environmental Water
Hong-Wen Gao
Asian J. Chem., Vol. 11, pp. 1365-1368 (1999)

Aqueous Polymerization of Acrylonitrile and Methyl Methacrylate by Cerium(IV)-Glycine Redox System Catalyzed by Bromide Ion: A Kinetic Study
S.K. Rai, K. Shivakumar and B.S. Sherigara
Asian J. Chem., Vol. 11, pp. 1369-1378 (1999)

Solution Studies and Biological Activity of Some Bivalent Metal Complexes with Schiff Bases Derived from 3-Phenyl Salicylaldehyde
S.S. Shetye, (Late) M.S. Mayadeo and N.B. Laxmeshwar
Asian J. Chem., Vol. 11, pp. 1379-13 (1999)

A Comparative Study: Michael Adduct Reactions with Hydroxylamine Hydrochloride and Hydrazine Hydrate: Formation of Oximes, Indazolones, Hydrazides, 2-Mercapto-1,3,4-Oxadiazoles, Iminobenzal-N-Amides of Cyclohexanones and Study of Their Antimicrobial Activity

Asian J. Chem., Vol. 11, pp. -1390 (1999)

Influence of Amides and Salts on the Oxidation of Methyl Acetate and Ethyl Acetate by Potassium Dichromate
H.Z. Guard, D.M. Kothwala, D.R. Joshi and T.N. Nagar
Asian J. Chem., Vol. 11, pp. 1391-1396 (1999)

Kinetics of the Oxidation of Ethyl Acetate by Potassium Dichromate
D.R. Joshi, H.Z. Guard, H.M. Joshi and T.N. Nagar
Asian J. Chem., Vol. 11, pp. 1397-1401 (1999)

Micellar Effect on the Reaction of Acid Violet-49 with Hydroxide Ion: Influence of Salts and Organic Solvents
H.Z. Guard, D.M. Kothwala, H.M. Joshi and T.N. Nagar
Asian J. Chem., Vol. 11, pp. 1402-1406 (1999)

Separation and Characterization of New Transition Metal Complexes of Some Chromone Derivatives
Nabil S. Youssef
Asian J. Chem., Vol. 11, pp. 1407-1417 (1999)

Electronic Spectral Characterization of Pr(III) Systems Involving Sulphonanilide Environment in DMF Medium
H.K. Pandey, G.K. Joshi and S.S. Shrimali
Asian J. Chem., Vol. 11, pp. 1418-1422 (1999)

Synthesis of Monoazo Reactive Dyes Based on 2-(3'-Chlorostyryl)-6-amino-4-oxoquinazoline System and Their Application
J.N. Shukla, Vikas A. Desai and K.R. Desai
Asian J. Chem., Vol. 11, pp. 1423-1426 (1999)

Synthesis and Biological Evaluation of 2-Imino-benzal-4-(2'-hydroxy aryl)-thiazoles and N-[4'(2''-Hydroxy aryl)-thiazole]-4-aryl-2-azetidinones
Anjali Milind Rahatgaonkar
Asian J. Chem., Vol. 11, pp. 1427-1430 (1999)

Synthesis of Some Thiazolidinone and Azetidinone Compounds and Their Antimicrobial Activity
Sunil B. Desai, P.B. Desai and K.R. Desai
Asian J. Chem., Vol. 11, pp. 1431-1437 (1999)

Synthesis of Bis-1,2-Aryl-biguanidino-oxy, 3-Biguanidino Propane as Potential Antimalarials
Dilip Khatri, Sonal Rajora, Tahira Banu and G.L. Talesara
Asian J. Chem., Vol. 11, pp. 1438-1444 (1999)

Structure and Bonding of Some Newly Synthesized Complexes of Lanthanide(III)
Complexes of 4[N-(*p*-Dimetaylaminobenzalidene)amino]antipyrine Thiosemicabrazone
Lakshman Singh, Alok Sharma and S.K. Sindhu
Asian J. Chem., Vol. 11, pp. 1445-1450 (1999)
Kinetics and Mechanism of Oxidation of Aromatic Aldehydes by Imidazolium Dichromate
K. Balasubramanian, K. Lakshmanan and K.G. Sekar
Asian J. Chem., Vol. 11, pp. 1451-1454 (1999)

A Comparative Study on Solubilities and Refractive Indices of Aqueous Solutions of Sodium
and Calcium Salts of α -Amino Fatty Acids
R.P. Verma, J. Parshad and Surender Kumar
Asian J. Chem., Vol. 11, pp. 1455-1458 (1999)

Separation of Electronic and Steric Effects: Oxidation of *ortho*-Substituted N, α -Diphenyl-
nitrones by Pyridinium Fluorochromate in Aqueous DMF Medium
M. Gopalakrishanan, J. Jayabharathi and V. Thanikachalam
Asian J. Chem., Vol. 11, pp. 1459-1462 (1999)

Synthesis and Properties of Some New 5-Fluoro-6-(heterocyclyl) Benzofuroxans
M.M. El-Abadela, M.Z. Nazer, N.S. El-Abadla and A.M. Awadallah
Asian J. Chem., Vol. 11, pp. 1463-14 (1999)

Spectrophotometric Characterization of Doped Pr(III) Ion in Saturated Aqueous Solution of
Some Pharmaceutical Compounds
Asian J. Chem., Vol. 11, pp. -1473 (1999)

Kinetics of Decarboxylation of Ethylmalonic Acid: A Hundred-Fold Reactivity of the Acid
Molecule Over its Mono-anion
R. Gopalan
Asian J. Chem., Vol. 11, pp. 1474-1482 (1999)

Photochromic Pyrano Pyridines and Pyranoquinolines
Hamed A. Al-Sehaibani
Asian J. Chem., Vol. 11, pp. 1483-1487 (1999)

Effects of Manganese(II) Complexes of 2-[(1-Thienyl)ethylidene]-hydrazinecarbothioamide
on Reproductive Function of Male Rats
N. Fahmi, Anil Bansal, S.C. Joshi and R.V. Singh
Asian J. Chem., Vol. 11, pp. 1488-1492 (1999)

Boron Complexes of Benzothiazolines Derived from Aromatic Ketones
Taruna Pandey and R.V. Singh
Asian J. Chem., Vol. 11, pp. 1493-1500 (1999)

Spectral Studies of Some Transition Metal Chelates with Thiolactic Anilide and Thiolactic-*p*-toluidide, Part-II

Miru Srivastava, Birendra Kumar, Ramdeo Prasad, Nirmala Kumari and Sachchida Nand Prasad

Asian J. Chem., Vol. 11, pp. 1501-1504 (1999)

Determination of Antimony in Environmental Water by Primary-Secondary Wavelengths New Spectrophotometry

Hong-Wen Gao and Peng-Fei Zhang

Asian J. Chem., Vol. 11, pp. 1505-1510 (1999)

NOTES

Diorganotellurium(IV) Dihalide Complexes with Bidentate Schiff Base Ligands – Part II

Shekhar Srivastava and Deepa Singh

Asian J. Chem., Vol. 11, pp. 1511-1513 (1999)

Four Novel Screw-like *Tris*(1,10-phenanthroline) Ruthenium(II) Bis(hexafluorophosphate) Derivatives

Peng Wang and Guoyi Zhu

Asian J. Chem., Vol. 11, pp. 1514-1516 (1999)

Dibenzyltellurium(IV) Diiodide Complexes with N₄ Donor Aromatic Schiff Base Ligands

Shekhar Srivastava and Deepa Singh

Asian J. Chem., Vol. 11, pp. 1517-1518 (1999)

Synthesis and Characterization of Mn(II) and Zn(II) Complexes with Cimetidine

Savita Shrivastava, N.M. Shrivastava and S.A. Iqbal

Asian J. Chem., Vol. 11, pp. 1519-1521 (1999)

Synthesis of Some New Pyrazoline Derivatives and Related Compounds from Chalcones and Their Antibacterial Activity

V.R. Naik and H.B. Naik

Asian J. Chem., Vol. 11, pp. 1522-1524 (1999)

Flavonoids of *Aptenia cordifolia*

M.R. Elgindi, O.D. Elgindi and T.J. Mabry

Asian J. Chem., Vol. 11, pp. 1525-1527 (1999)

Synthesis of Acetyl-oxy Phthalimide Derivatives of Diphenyl Amine as Potential Antibacterial

Sonal Rajora, Tahira Banu, Dilip Khatri and G.L. Talesara

Asian J. Chem., Vol. 11, pp. 1528-1530 (1999)

Thermodynamic Stability Constants of Divalent Metals with 3-Ethyl-2,6-diphenyl-piperidin-4-one Ethylenediamine Hydrazone

V. Thanikachalam, J. Jayabharathi and K. Mohankumar

Asian J. Chem., Vol. 11, pp. 1531-1533 (1999)

Isoflavones and a Phenylethanoid from *Verbascum sinaiticum*

M.R. Elgindi, T.J. Mabry, F.R. Melek and T. Miyase
Asian J. Chem., Vol. 11, pp. 1534-1536 (1999)

Synthesis of Some New 1-H-3-(2'-Hydroxy-5'-methyl-4',6'-dibromophen-1'-yl)-5-substituted Phenyl-2-pyrazolines and Related Compounds and Their Antibacterial Activity
S.M. Naik and H.B. Naik

Asian J. Chem., Vol. 11, pp. 1537-1539 (1999)

Synthesis and Antibacterial Activity of 3-Phenyl-5,7-dibromo-6-methyl-4-substituted Styrylcoumarin

S.M. Naik and H.B. Naik

Asian J. Chem., Vol. 11, pp. 1540-1542 (1999)

Synthesis and Cytotoxic Activity of Some Novel *trans*-Palladium Complexes with Pyrazole Derivatives

Talal A.K. Al-Allaf and Luay J. Rashaan

Asian J. Chem., Vol. 11, pp. 1543-1545 (1999)

Extraction of Colouring Material from *Butea monosperma*, *Frondosa* (Tesu, Palash Flowers)

A.P. Sinha and R. Kumar

Asian J. Chem., Vol. 11, pp. 1546-1548 (1999)

Standardization of TLC Method for Identification of Carcino-genic Aryl Amines in Coloured Textile and Leather Products

A.P. Sinha and R. Kumar

Asian J. Chem., Vol. 11, pp. 1549-1552 (1999)

Synthesis and Antibacterial Activity of 2-Amino-4-(2',4'-dichloro-5'-fluorophen-1'-yl)-6-aryl Pyrimidine Derivatives and Related Compounds

P.B. Bharucha and H.B. Naik

Asian J. Chem., Vol. 11, pp. 1553-1555 (1999)

Spectrophotometric Determination of Suspended Solid in Natural Water Hong-Wen Gao, Ming-Hui Mou and Jing-Fen Zhao

Asian J. Chem., Vol. 11, pp. 1556-1558 (1999)

Some New Organotellurium(II) Molecular Adducts with Bidentate Ligands

Shekhar Srivastava and Deepa Singh

Asian J. Chem., Vol. 11, pp. 1559-15 (1999)