

## Contents of Vol. 10, No.1 (1998)

### REVIEWS

Effect of Aluminium Smelters on Health and Vegetation  
J. Pradhan, R.S. Thakur, S.N. Das, J. Das and S.B. Rao  
*Asian J. Chem., Vol. 10, pp. 1-13 (1998)*

### ARTICLES

Chemical and Pharmacological Evaluation of *Dodonaea viscosa* Linn  
Anees A. Siddiqui  
*Asian J. Chem., Vol. 10, pp. 14-16 (1998)*

Excess Viscosities and Volumes of Dimethylsulphoxide + Alcohols at 298.15 K  
Shahida B. Niazi, Farzana Mahmood, M. Hashim and M. Safdar Hussain  
*Asian J. Chem., Vol. 10, pp. 17-22 (1998)*

Further Analysis of Copper Chelate Solution with Murexide  
Hong-Wen Gao and Yu-Rong Zhang  
*Asian J. Chem., Vol. 10, pp. 23-28 (1998)*

Fourier Transform Infrared Spectra of Freshly Isolated  $\beta$ -Carotene  
J. Marshall  
*Asian J. Chem., Vol. 10, pp. 29-34 (1998)*

Reactivity of Amino and Methyl Groups in 3-Amino-2-methyl-3,4-dihydro-4-oxo-quinazoline Towards Condensation with Aldehydes  
K.B. Lal  
*Asian J. Chem., Vol. 10, pp. 35-38 (1998)*

Synthesis, Anti-Cancer and Anti-HIV Activities of Some New Formazans  
S.D. Bhardwaj  
*Asian J. Chem., Vol. 10, pp. 39-42 (1998)*

Solvent Extraction of Lead(II) and its Separation from Bismuth(III)  
H.R. Aher, P.S. Gunjal, S.R. Kuchekar and M.B. Chavan  
*Asian J. Chem., Vol. 10, pp. 43-45 (1998)*

Indicator Absorbance Spectra and Ligand Complexation Ratio with Metal Ions  
Rakesh Farasram, P.L. Farasaram and C.M. Desai  
*Asian J. Chem., Vol. 10, pp. 46-49 (1998)*

Effect of Picolinic Acid and Dipicolinic Acid on the Stability of Mixed Ligand Cu(II) Complexes Containing Amino Acids  
Allam Mohan, K. Radha and M. Srinivas Mohan  
*Asian J. Chem., Vol. 10, pp. 50-55 (1998)*

Anion-Exchange Distribution Studies of Lighter Rare Earth Metal Ions in Sodium Nitrite Organic Solvent-Water Media  
Archana Bhardwaj and S.D. Bhardwaj

*Asian J. Chem.*, Vol. 10, pp. 56-63 (1998)

Studies on Arylhydrazones, Part-XIV: Reduction of Diethyl Mesoxalate-*o*-nitrophenyl-hydrazone

Nagenra Prasad, Anup Sahay and K.R.K. Singh

*Asian J. Chem.*, Vol. 10, pp. 64-70 (1998)

Complexation of 4-N,N-Dimethylaminopyridine with Tin(II), Uranium(IV) and Thorium(IV)

G.J. Gilbert, S. Narayanan, S. Sunitha and K. Panchanatheswaran

*Asian J. Chem.*, Vol. 10, pp. 71-73 (1998)

Antimicrobial Activity and GLC Analysis of the Essential Oil of the Leaves of *Eupatorium triplinerve*

R.N. Yadav and Deepak Barsainya

*Asian J. Chem.*, Vol. 10, pp. 74-78 (1998)

Updated  $\beta$ -Correction Spectrophotometric Investigation of Zinc Chelate Solution with Acid Chrome Blue K and Determination of Zinc

Hang-Wen Gao

*Asian J. Chem.*, Vol. 10, pp. 79-85 (1998)

Effect of Some Surface Active Substances on the Spectrophotometric Determination of Th(IV) Using Some Coumarin Azo Dyes

A.L. El-Ansary, Y.M. Issa, A.T. Kandil and M.H. Soliman

*Asian J. Chem.*, Vol. 10, pp. 86-98 (1998)

Reductive Cleavage of Certain Azo Dyes by Electrolytically Generated Vanadium(II) in Aqueous Acid Media

K. Vasanta Kumar Pai, P. Vasundeva Nayak and B.S. Sherigara

*Asian J. Chem.*, Vol. 10, pp. 99-102 (1998)

Hydrazone and Hydrazone Chelates of Ni(II) and Cu(II)

Bijay Kant Jha, S. Jha and Amar Kant Jha

*Asian J. Chem.*, Vol. 10, pp. 103-108 (1998)

Investigation of the Activity of  $\text{AlPO}_4$  and  $\text{Al}_2(\text{HPO}_4)_3$  as Support for Pt in the hydrogenation of *o*-Xylene with Comparison to  $\text{Pt/Al}_2\text{O}_3$

Hasan M. Asfour, Riyadh A. Saymesh and Isam Arafa

*Asian J. Chem.*, Vol. 10, pp. 109-116 (1998)

Physico-chemical Studies of Metal Extractants: Hydroxamic Acids

Kiran Sharma, Jeena Harjit and Rama Pande

*Asian J. Chem.*, Vol. 10, pp. 117-125 (1998)

Synthesis and Antimicrobial Properties of Friedel-Crafts Polyketones

B.V. Patel, B.T. Patel and R.M. Patel

*Asian J. Chem.*, Vol. 10, pp. 126-130 (1998)

Ionophoretic Study on Complexation of Manganese(II), Iron(II), Cobalt(II) and Nickel(II) with *m*-Chloro-benzoic Acid and Nitrilo-triacetic Acid

R.S. Pandey and C.S. Pandey  
*Asian J. Chem., Vol. 10, pp. 131-135 (1998)*

Adsorption Dynamics: Comparison of Adsorption Potentials of Fibrous Keratinous Materials,  
*viz.*, Human Black and White Hairs  
N. Balasubramanian, R. Edison Raja, K. Lalitha and S. Prebha  
*Asian J. Chem., Vol. 10, pp. 136-145 (1998)*

Studies on the Status of Available Micronutrients for Plant Growth in Different Soil Series of  
Tiruchirapalli Region (Tamil Nadu)  
A. Abdul Jameel  
*Asian J. Chem., Vol. 10, pp. 146-149 (1998)*

Reactions of Some Bidentate Ligands with Antimony Trichloride Adducts with Oxygen  
Donor-I  
M.K. Rastogi  
*Asian J. Chem., Vol. 10, pp. 150-153 (1998)*

Reactions of Bidentate Oxime and Quinoline Ligands with Antimony Trichloride Adducts  
with N-Donors  
M.K. Rastogi  
*Asian J. Chem., Vol. 10, pp. 154-157 (1998)*

Kinetics and Mechanism of Chlorination of Some Ketones by Chloramine-B  
H.S. Yathirajan, Aparna R. Nadig, Rangaswamy and K.N. Mohana  
*Asian J. Chem., Vol. 10, pp. 158-168 (1998)*

Reactivity of Hexachloroiridate(IV) in Alkaline Medium  
Kalyan Kali Sen Gupta, Bilkis A.B. and Nandini Bhattacharjee  
*Asian J. Chem., Vol. 10, pp. 169-174 (1998)*

Schiff Base Complexes of Iron(II) and Their Spectral Properties  
B.H. Mehta and Kedar V. Purandare  
*Asian J. Chem., Vol. 10, pp. 175-179 (1998)*

Synthesis of Novel 4,5-Dihydro-1,2,4,5-oxatriazine-6-one from the Reaction of Benzonitrile  
Oxide with 1-Ethoxycarbonyl-1-methylhydrazine  
Abed El-Rahman S. Ferwanah and Adel M. Awadallah  
*Asian J. Chem., Vol. 10, pp. 180-184 (1998)*

## NOTES

Polyalcohols from *Cassia alata* Linn. Seeds  
R.B. Singh  
*Asian J. Chem., Vol. 10, pp. 185-186 (1998)*

Synthesis of 3,5-Diaryl-1-pyridoyl Pyrazoles  
V.B. Tayde and V.S. Jamode  
*Asian J. Chem., Vol. 10, pp. 187-188 (1998)*

Effect of Garlic Extract of Lactic Culture  
S.P. Singh, Shashikant Kumar and Birendra Kumar  
*Asian J. Chem.*, Vol. 10, pp. 189-191 (1998)

Spectral Investigation of Complexes Ions Formation with Dye Indicator in Different Metal Systems  
Ashwin N. Modi and C.M. Desai  
*Asian J. Chem.*, Vol. 10, pp. 192-194 (1998)

Variation in Complex Ions Formation with Aqueous Methanol Phase Change in Lead Nitrate-Alkali Nitrate System  
Rakesh Farasram, P.L. Farasram and C.M. Desai  
*Asian J. Chem.*, Vol. 10, pp. 195-197 (1998)

Spectral Investigation of Ligand-Metal Composition Using Dye Indicators  
Ashwin N. Modi, P.L. Farasram and C.M. Desai  
*Asian J. Chem.*, Vol. 10, pp. 198-200 (1998)

Physico-chemical Significance of Dye-Indicator Method in Complex Ions Variations in Aqueous Methanol System Mercuric Halide-Alkali Halide  
Rakesh Farasram, P.L. Farasram and C.M. Desai  
*Asian J. Chem.*, Vol. 10, pp. 201-203 (1998)

A New Anthraquinone from the Root Bark of *Cassia nodosa*  
N.K. Yadava, B.K. Singh and A. Kumar  
*Asian J. Chem.*, Vol. 10, pp. 204-206 (1998)

Synthesis of Some Bisazo Pyrazolone Acid Dyes and Their Application on Wool, Silk and Nylon  
R.A. Bhavasar and C.M. Desai  
*Asian J. Chem.*, Vol. 10, pp. 207-208 (1998)

Chemical Study of the Seeds of *Dolichos biflorus*  
K.S. Dubey and A.H. Ansari  
*Asian J. Chem.*, Vol. 10, pp. 209-210 (1998)

Hydrogen in the Periodic Table  
S.I. Pothen  
*Asian J. Chem.*, Vol. 10, pp. 211-212 (1998)