

SPECIAL NOTICE

NATIONAL SYMPOSIUM ON FLUORINE-CONTAINING COMPOUNDS

October 24-25, 1985

Department of Chemistry, Panjab University, Chandigarh-160014 (INDIA)

The titles of the lectures/papers with their authors are given below:

LECTURES

Some chemistry of antimony pentafluoride - A strong Lewis acid and oxidizing agent.

R.J. Gillespie, Department of Chemistry, McMaster University, Hamilton, Canada.

Fluorine containing bioactive heterocycles.

Krishna C. Joshi, Department of Chemistry, University of Rajasthan, Jaipur-302 004.

A review of preparation, structure and thermal stability of complex oxyfluoro anionic compounds of group V B elements.

U.R.K. Rao, Water Chemistry Division, Bhabha Atomic Research Centre, Trombay, Bombay-400 085.

Novel synthetic routes developed for an interesting chemistry of complex fluorides of phosphorus, boron, silicon, titanium and sulphur.

D.K. Padma, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore-560 012.

Fluorine-containing phosphorus-nitrogen ring compounds and polymers.

S.S. Krishnamurthy, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore-560 012.

Syntheses and nucleophilic reactions of various polyfluoroalkyl fluorosulfates.

Ramesh C. Kumar, Chemistry Department, Baldwin-Wallace College, Berea, OH 44017, U.S.A.

The Symposium was sponsored by the University Grants Commission.

For further detail contact Dr. R.D. Verma, Organizer of the

Symposium, Department of Chemistry, Panjab University,

Chandigarh-160014, India or the author(s) direct.

PAPERS

Fluoride in biological systems and its role in health and disease.
A.K. Susheela, Department of Anatomy, All India Institute of Medical Sciences, New Delhi.

Interrelations between fluoride ingested through whole food (cooked/raw) and dental caries experience in real life situation.
A. Tewari and Ashima, Department of Dentistry, Postgraduate Institute of Medical Education and Research, Chandigarh-160 012.

Chemistry of the role of fluorides in the prevention of dental caries.
K. Gauba and A. Tewari, Department of Dentistry, Postgraduate Institute of Medical Education & Research, Chandigarh-160 012.

Effect of fluoride in drinking water on oral health status.
V. Sachdev, Ashima, A. Tewari and H.S. Chawla, Department of Dentistry, Postgraduate Institute of Medical Education and Research, Chandigarh-160012.

Studies in the preparation of aromatic fluorides and their pharmaceutical uses.
Dinkar, S.V. Trivedi, S.V. Kaluskar, Research Department, Navin Fluorine Industries, Bhastan, Surat, - 394 210.

Fluoropolymers in ion-exchange membrane technology.
K.P. Govindan, Central Salt & Marine Chemicals Research Institute, Bhavnagar-364 002.

The role of fluorine in stabilization of carbonium ions.
S.A.A. Zaidi, Department of Chemistry, Aligarh Muslim University, Aligarh-202 001.

Radiation effect on keto-enol tautomerism of fluorinated 1,3-dicarbonyl compounds.
Lian C.T. Shou-te and Jai P. Mittal, Chemistry Division, Bhabha Atomic Research Centre, Trombay, Bombay-400 085.

Pericyclic reactions of perfluoro cyclic olefins induced by pulsed infrared laser.
P.K. Chowdhury, K.V.S. Rama Rao and J.P. Mittal, Chemistry Division, Bhabha Atomic Research Centre, Trombay, Bombay-400 085.

Fluorination of hydrocarbon polymers by sulfur hexafluoride.
Sukumar Maiti and Basudam Adhikari, Materials Science Centre, Indian Institute of Technology, Kharagpur-721 302.

Synthesis of compounds containing 'CF₃-As' bonds.
R. Bohra, Department of Chemistry, University of Rajasthan, Jaipur-302 004.

Facile synthesis of fluorine containing imidazo[1,2-b][1,2,4]triazine through α -oxo-n-arylethanehydrazonoyl bromides.
Krishna C. Joshi, Vijai N. Pathak and Sharda Sharma, Department of Chemistry, University of Rajasthan, Jaipur-302 004.

Synthesis of some fluorine containing 1H-pyrazolo-3, 4-b pyridines.

Krishna C. Joshi, Vijai N. Pathak, Urmila Garg and Vineeta Sareen, Department of Chemistry, University of Rajasthan, Jaipur-302 004.

Structural studies on trifluoro- β -diketonates of tin.

R.P. Singh, Ch. Sreelatha and V.D. Gupta, Department of Chemistry, Faculty of Science, Banaras Hindu University, Varanasi-221 005.

A novel synthetic route for alkali metal, ammonium and alkyl substituted ammonium tetrafluoroborates.

K. Syed Mohammed, D.K. Padma and A.R. Vasudeva Murthy, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore.

Selective fluorination of organic and organometallic compounds.

Sudhindra N. Misra, University Department of Chemistry, Bhavnagar University, Bhavnagar-364 002.

Generation of bromochlorotrifluoromethyl carbanion and chlorotrifluoromethyl carbene by phase transfer catalyst and their reactions.

L.M. Pande, A.K. Saxena, S.K. Saini and C.S. Sisaria, Defence Material & Stores Research and Development Establishment, Post Box No.320, Kanpur.

A new and general synthetic route to lithium hexafluorometallates.

S.P. Mallela and F. Aubke, Department of Chemistry, University of British Columbia, Vancouver, B.C. V6T 1Y6, Canada.

New hexafluoroisopropylidene-imide bridged tris- and bis-phthalonitrile monomers.

Alka D. Gupta, Department of Chemical Engineering, Indian Institute of Technology, Hauz Khas, New Delhi-110 016.

Devender Kumar, Defence Materials & Stores, Research and Development Establishment, Kanpur-208 013.

Preliminary crystal data of 2,4,4,6,6-pentafluoro(triphenylphosphazanyl) cyclotriphosphazatriene: $N_3P_3F_5(NPPh_3)$.

M. Krishnaiah, * L. Ramamurthy, * K.C. Kumarswamy, ** H. Manohar** and M. Colapietro***

*Department of Physics, Sri Venkateswara University, Tirupati-517502.

**Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore-560 012.

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Oxalatofluoro complexes of zirconium(IV).

A.K. Sengupta and U. Bhattacharya

Department of Chemistry, University of Kalyani, West Bengal Kalyani.

Synthesis, characterization and reactivity of some new fluoroboron complexes.

Kamalendu Dey, Department of Chemistry, University of Kalyani, Kalyani-741 235.

Some fluoro derivatives of hexaorganoditin and lead compounds

Prem Raj and A.K. Saxena, Chemistry Department, Lucknow University, Lucknow.

Kinetics of pyrolysis of chlorodifluoromethane with and without diluents.

Balkar Singh, P.K. Kaicker and J.K. Nigam, Shri Ram Institute for Industrial Research, 19-University Road, Delhi-110 007.

Pyrolysis of chlorodifluoromethane,

Balkar Singh, P.K. Kaicker and J.K. Nigam, Shri Ram Institute for Industrial Research, 19-University Road, Delhi-110 007.

Fluorinated inorganic polymers: An overview.

U.O.N. Bajpai and H.P. Tiwari, Department of Post-Graduate Studies and Research in Chemistry, Rani Durgavati Vishwavidyalaya, Jabalpur-482 001.

Synthesis and reactivity of some organometal trifluoroacetates.

T.M. Srivastava and Jai Deo Singh, Chemistry Department, University of Lucknow, Lucknow-226 007.

Thermodynamics of protonation of some fluorinated β -diketones.

J.P. Shukla and R.S. Sharma, Radiochemistry division, Bhabha Atomic Research Centre, Trombay, Bombay-400 085.

Boron Trifluoride diethyletherate.

S.K. Mehta and A.K. Suri, Regional Research Laboratory, Jammu.

Chemistry of bis(sulfonyl fluoride)amine-Part IV. Behaviour of antimony(V) chloride in $\text{HN}(\text{SO}_2\text{F})_2$.

P.L. Dhingra & Rajendar D. Verma, Department of Chemistry, Panjab University, Chandigarh-160014.

Synthesis and biological activity of some tri-substituted erylantimony(V) derivatives.

Prem Raj, Rajiv Rastogi & Kiran Singhal, Chemistry Department, Lucknow University, Lucknow.

Uranium(IV) trifluoromethanesulfonate and its double trifluoromethanesulfonates with bivalent metal ions.

Madanmohan Singh Gill, Anil K. Sethi & Rajendar D. Verma, Department of Chemistry, Panjab University, Chandigarh-160 014.

Reactions of benzylamino(n-butylamino)anilino(2-fluoroanilino) tris(2,2,2-trifluoroethoxy)(methyl)bis(2,2,2-trifluoroethoxy)silane with tin(IV) and titanium(IV) chlorides at -60 to -50°C.

Suraj P. Narula, Ravi Shankar, (Miss) Neeta Kapur & Suniti Kumar, Department of Chemistry, Panjab University, Chandigarh.

Fluorocarbon emulsions and blood substitutes.

J.C. Riess, Laboratoire de Chimie Moleculaire, Unite Associee au CNRS Universite de Nice, Parc Valrose, 06034 Nice Cedex, France

On the preparation, characterization and nature of some mono- and bis(trifluoroacetates)diaryl selenium(IV) derivatives.

K.K. Bhasin, R. Khajuria & R.D. Verma, Department of Chemistry, Panjab University, Chandigarh-160 014.