

**Professor Hemmige S. Yathirajan**  
**DOS in Chemistry, University of Mysore**  
**Manasagangotri, Mysore-570 006, India**

Your Registration ID: **MRP-MAJOR-CHEM-2014-50157**

[http://scholar.google.com/citations?hl=en&view\\_op=list\\_works&email\\_for\\_op=yathirajan%40hotmail.com&invitation\\_id=16942976874058866310&user=vfPqPqAAAAJ](http://scholar.google.com/citations?hl=en&view_op=list_works&email_for_op=yathirajan%40hotmail.com&invitation_id=16942976874058866310&user=vfPqPqAAAAJ)



**PERSONAL**

Date of birth : **June 8<sup>th</sup>, 1956**  
Marital status : **Married**  
Telephone : **91-821-2419656**  
Fax : **91-821-2419363**  
E-mail : [yathirajan@hotmail.com](mailto:yathirajan@hotmail.com)  
Qualifications : **B. Sc. --Physics-Chemistry-Mathematics– I class –Govt. College, Tumkur (UOM-1974)**  
**M.Sc. –Chemistry (Physical chemistry-Chemical kinetics) – I class – DOS in Chemistry, Manasagangotri, Mysore - (UOM- 1976)**  
**Ph. D. – “Some oxidimetric investigations with organic chloramines”- DOS in Chemistry, Manasagangore, Mysore - (UOM-1981)**  
**Post-doctoral Research Associate (NSF) (Department of Chemistry, Washington Univ., St. Louis, MO, USA - 1990-93)**  
**F R S C (U K) - 2010**

**DESIGNATION** : **Professor of Chemistry (CAS) -- August 2000**  
**Reader in Chemistry (CAS) -- August 1992**  
**Lecturer in Chemistry -- October 1976**

**TEACHING EXPERIENCE**

: **Teaching M. Sc. Chemistry, M. Sc. Organic Chemistry, M. Phil. Chemistry, M. Sc Integrated Chemistry students. Taught (i)Advanced Chemical Kinetics, (ii) Advanced Electrochemistry, (iii)Advanced Quantum Chemistry, (iv) Molecular Symmetry and Point Groups, (v) Photo Chemistry, (vi) Radiation Chemistry and (vii) X-ray Crystallography for M. Sc. and M. Phil. Courses.**

**ADMINISTRATIVE EXPERIENCE**

: **Deputy Director, Academic Staff College, UOM (1997-98). Conducted more than 25 courses for University and college teachers.**

**RESEARCH EXPERIENCE:** **Actively engaged in Research since 1976**

- (i) Crystal and molecular structure studies of some novel organic and inorganic compounds
- (ii) Photolysis of some organic compounds in the liquid phase
- (iii) Kinetics and mechanism of oxidation of some biologically active and pharmaceutical compounds with aromatic sulphonyl haloamines
- (iv) Analytical studies on organic compounds of pharmaceutical importance

**FIELD OF SPECIALIZATION:**

Chemical kinetics, Photochemistry, Radiation chemistry, Spectroscopy, Quantum chemistry, Molecular Symmetry, Disorder and Polymorphism in crystals and X-ray Crystallography.

**POST-DOCTORAL RESEARCH EXPERIENCE:**

Worked on Kinetic isotope effects and isotope exchange Reactions (involving <sup>13</sup>C, <sup>18</sup>O & <sup>15</sup>N) under Prof. Joseph Kurz, at the Department of Chemistry, Washington University, St.louis, MO-63130, USA, from 1990 to 1993.

**PROJECT**

: CPEPA – UGC - Co-investigator

COLLABORATIVE RESEARCH AROUND THE WORLD (INDIA, CHINA, GERMANY, ITALY, MALAYSIA, POLAND, SWEDEN, SOUTH AFRICA, TURKEY, UK & USA)

**RESEARCH PUBLICATIONS:**

**711** (as on DEC 2014- since Oct 1979)

**CAMBRIDGE STRUCTURAL DATABASE .....664 (AS ON DEC 2014).**

**RANKED 5<sup>TH</sup> FROM INDIA AND 354 IN THE WORLD**

**Citation indices**

<u>Citations</u>	<b>3000</b>
<u>h-index</u>	<b>22</b>
<u>i10-index</u>	<b>70</b>

**Papers presented at conferences/symposia: 51** (as on February 2014- since 1979)

Ph.D. students Guided successfully : **15**

Ph. D. students working: **05**

M.Phil. Guided : **03**

**Details of Ph. D. students under my guidance**

- **1. K. N. Mohana** -- Awarded Ph. D. in 1998  
“PHYSICO-CHEMICAL ASPECTS OF BROMAMINE-B”
- **2. P. Nagendra** -- Awarded Ph. D. in Dec 2002  
“PHYSICO-CHEMICAL ASPECTS OF SODIUM SALT OF N-BROMO-4-METHYLBENZENE SULPHONAMIDE”
- **3. C. R. Raju** -- Awarded Ph. D. in 2005  
“PHYSICO-CHEMICAL ASPECTS OF SOME COMPOUNDS CONTAINING NITROGEN”

- **4. B. Nagaraj** -- Awarded Ph. D. in 2007  
“STRUCTURAL STUDIES OF SOME PHARMACEUTICALS AND PHARMACEUTICAL INTERMEDIATES BY X-RAY CRYSTALLOGRAPHIC METHOD”
- **5. H. G. Anil Kumar** -- Awarded Ph. D. in 2007  
“CRYSTAL STRUCTURE STUDIES OF SOME ORGANIC MOLECULES”
- **6. R. S. Narase Gowda** -- Awarded Ph. D. in 2008  
“CRYSTAL AND MOLECULAR STRUCTURE STUDIES OF SOME PHARMACEUTICAL COMPOUNDS AND PHARMACEUTICAL INTERMEDIATES”
- **7. S. Bindya** -- Awarded Ph. D. in Oct 2009  
“SYNTHESIS AND CRYSTAL STRUCTURE STUDIES OF SOME ORGANIC COMPOUNDS”
- **8. Q. N. M. Hakim Al-arique** -- Awarded Ph. D. in Jan 2011  
“SYNTHESIS AND CRYSTAL STRUCTURE STUDIES OF SOME ORGANIC COMPOUNDS OF PHARMACEUTICAL IMPORTANCE”
- **9. M. T. Swamy** -- Awarded Ph. D. in Jan 2011  
“CRYSTAL STRUCTURE STUDIES OF SOME CHALCONES, SCHIFF BASES AND COMPOUNDS OF PHARMACEUTICAL AND INDUSTRIAL IMPORTANCE”
- **10. C. S. Chidan Kumar** -- Awarded Ph. D. in Dec 2011  
“CRYSTAL AND MOLECULAR STRUCTURE STUDIES OF SOME CHALCONES, SCHIFF BASES, PHARMACEUTICAL INTERMEDIATES AND RELATED COMPOUNDS”
- **11. A. N. Mayekar** -- Awarded Ph. D. in Feb 2012  
“SYNTHESIS AND CHARACTERIZATION OF SOME NEW BIOACTIVE HETEROCYCLIC AND RELATED COMPOUNDS”
- **12. M. S. Siddegowda** -- Awarded Ph. D. in Jan 2013  
“CRYSTAL & MOLECULAR STRUCTURE STUDIES OF SOME PHARMACEUTICAL COMPOUNDS, PHARMACEUTICAL INTERMEDIATES & ORGANIC PICRATES”
- **13. B. P. Siddaraju** -- Awarded Ph. D. in June 2013  
“CRYSTAL AND MOLECULAR STRUCTURE STUDIES OF 4-(4-CHLOROPHENYL)PIPERIDIN-4-OL AND ITS SALTS, PICRATES OF BIO-ACTIVE COMPOUNDS, CHALCONES AND ALLIED COMPOUNDS”
- **14. A. S. Dayananda** -- Awarded Ph. D. in January 2014  
“CRYSTAL AND MOLECULAR STRUCTURE STUDIES OF SOME NITROGEN CONTAINING HETEROCYCLIC COMPOUNDS”
- **15. A. S. Praveen** -- Awarded Ph. D. in February 2015  
“SYNTHESIS OF SOME NEW ORGANIC MOLECULES OF BIOLOGICAL INTEREST AND THEIR STRUCTURAL STUDIES”
- **16. Manpreet Kaur** -- Registered for Ph. D. from Mar 2012  
“CRYSTAL AND MOLECULAR STRUCTURE STUDIES OF SOME DERIVATIVES OF ORGANIC COMPOUNDS OF PHARMACEUTICAL IMPORTANCE”
- **17. C. N. Kavitha** -- Registered for Ph. D. from Mar 2012  
“CRYSTAL AND MOLECULAR STRUCTURE STUDIES OF SOME PIPERAZINE DERIVATIVES”
- **18. T. S. Yamuna** -- Registered for Ph. D. from Mar 2012  
“CRYSTAL AND MOLECULAR STRUCTURE STUDIES OF SOME DERIVATIVES OF FLUORINATED PHARMACEUTICALS, IMIDAZOLES, PYRAZOLES AND PYRIMIDINES”
- **19. M. Girisha** -- Provisionally Registered for Ph. D. from May 2014  
“CRYSTAL AND MOLECULAR STRUCTURE STUDIES OF SOME CHALCONES, IMINES AND SALTS OF PHARMACEUTICAL COMPOUNDS”
- **20. B. Sagar** -- Provisionally Registered for Ph. D. from May 2014  
“CRYSTAL AND MOLECULAR STRUCTURE STUDIES OF SOME HETEROCYCLIC COMPOUNDS”

### Details of M. Phil. Students

- **1. A. B. Mamatha Devi** -- Awarded M. Phil. in 1996  
“Reaction of chloramine-B with Cr(III), Al(III) and Fe(III) solutions - A conductometric and pH study”
- **2. L. P. Suchitra** -- Awarded M. Phil. in 2009  
“Synthesis and Crystal Structure Studies of 2-Bromo-*N'*-[(2*Z*)-butan-2-ylidene]-5-methoxy benzohydrazide”
- **3. H. P. Sumathi** -- Awarded M. Phil. in 2012

“Crystal and Molecular structure studies of methyl 2,2-diphenyl-2-(prop-2-yn-1-yloxy)acetate and ethyl *N*-(2-benzoyl-4-chlorophenyl)ethanecarboximidate”

**AWARDS :** SIR C.V. RAMAN YOUNG SCIENTIST RESEARCH AWARD FOR CHEMICAL SCIENCES PRESENTED BY KARNATAKA STATE COUNCIL FOR SCIENCE & TECHNOLOGY (KSCST), GOVT. OF KARNATAKA FOR THE YEAR 2000.

MEMBER – AMERICAN CHEMICAL SOCIETY (1992)

FELLOW – ROYAL SOCIETY OF CHEMISTRY (2010)

**CITATIONS** Around **3000** citations

**ACHIEVEMENTS**

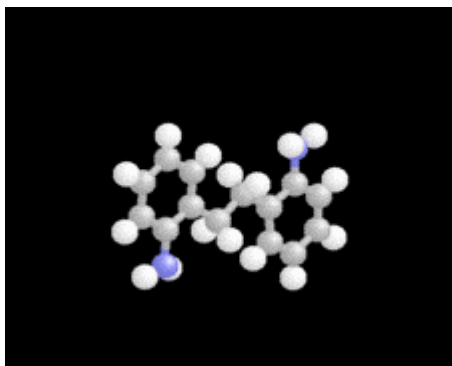
- (i) Two research articles appeared as cover pages in *Acta Crystallographica E*, 2005 (UK) and one in *Acta Crystallographica C*, 2006 (UK).
- (ii) One research article appeared in *IUCr news letter*, vol.13(1), 2005
- (iii) Two research articles appeared in *Monographs/Periodicals in Organic Reaction Mechanisms*, John Wiley & Sons – 1998; *Photochemistry*, Vol. 33, Royal Society of Chemistry – 2002
- (iv) Two Research articles indexed in NATIONAL DATA RADIATION CENTRE, USA

## Acta Crystallographica Section E

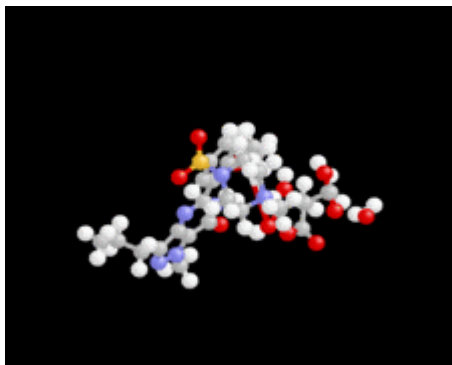
Structure Reports Online

Volume 61, Part 4 (April 2005)

[author index](#) [volume author index](#)



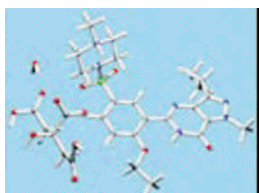
**Cover illustration:** This relatively simple molecule is a **rare example of a centrosymmetric molecule** crystallizing in a general position in a non-centrosymmetric crystal structure. See Narasegowda, Malathy Sony, Mondal, Nagaraj, Yathirajan, Narasimhamurthy, Charles, Ponnuswamy, Nethaji & Rathore [*Acta Cryst.* (2005), E61, o843-o845].



**Cover illustration: Sildenafil citrate is better known as the anti-impotence drug Viagra.** The crystal structure has not been reported previously, but a monohydrate has now been characterized crystallographically. See **Yathirajan, Nagaraj, Nagaraja & Bolte** [*Acta Cryst.* (2005), E61, [o489-o491](#)].

IUCr news letter 2005 --- Sildenafil citrate monohydrate

H. S. Yathirajan, B. Nagaraj, P. Nagaraja and M. Bolte



The name of the anti-impotence drug Viagra is well known to many people, even to those who have nothing to do with chemistry or pharmacology. A number of investigations on this compound, with the pharmaceutical name sildenafil citrate, have already been published. As the knowledge of the molecular conformation is essential for understanding structure–activity relationships, it is surprising that its crystal structure has not been previously reported. This paper closes this gap by reporting the crystal structure of the monohydrate.

*Acta Cryst.* (2005). E61, o489–o491

## Acta Crystallographica Section C

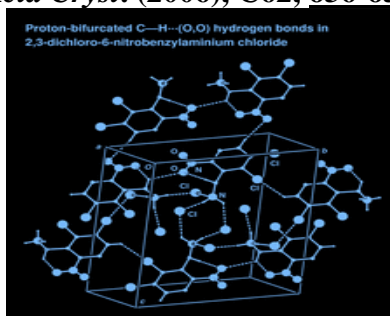
Crystal Structure Communications-----Volume 62, Part 1 (January 2006)

**Cover illustration:** The intermolecular interactions in 2,3-dichloro-6-nitrobenzylaminium chloride, including the three-center hydrogen-bond configuration.

For clarity, only relevant H atoms and intramolecular interactions are shown. See

**Rathore, Narasimhamurthy, Vijay, Yathirajan & Nagaraja**

[*Acta Cryst.* (2006), C62, o36-o38].



**RECOGNITION**

:

- (i) Biography appeared in Marquis “Who’s Who in the World-1998”
- (ii) Member – American Chemical Society (since 1992 till today)
- (iii) Affiliate Member – IUPAC (since 1992 till today)
- (iv) Fellow – Indian Chemical Society (since 1994 till today)
- (v) Fellow of the Royal Society of Chemistry (FRSC) (Since 2010)
- (vi) Editorial Board of referees – ARKIVOC (2010)

**OTHERS**

*Evaluated the Ph. D. thesis of many Indian Universities.*  
*Chaired a Session at the ‘41<sup>st</sup> Annual Convention of Chemists’ held at University of Delhi, Delhi, from Dec 23-27, 2004.*  
*Collaborative research with Scientists from India, UK, USA, Germany, China, Poland, Italy, Malaysia, Turkey and Sweden.*  
*Member of BOA for Karnatak & Kuvempu Universities.*  
*Worked as in-charge Chairman of the department on several occasions.*  
*Involved in framing the syllabus for M. Sc. Chemistry on several occasions.*  
Participated & co-ordinated many symposia held in the DOS in Chemistry since 1976.  
Participated in several refresher courses in UOM, IISc and Waltair.  
Worked as a Resource person for many refresher courses in Chemistry and course co-ordinator for the 10<sup>th</sup> Refresher Course in Chemistry conducted by ASC, UOM, Mysore from Sept 18, 2001 to Oct 08, 2001.  
Delivered lectures for refresher courses conducted by Academic Staff College, Univ. of Mysore, Mysore.  
Worked as Chairman, BOE in Chemistry, Univ. of Mysore, Mysore, during 2007-08.  
Worked as Member, BOS in Chemistry, Univ. of Mysore, Mysore, during 2001-04.  
Worked as Member -- BOE in Chemistry for Bangalore, Mangalore, Kuvempu, Karnatak and Gulbarga Universities.  
Worked as Member, BOS in Chemistry, Kuvempu Univ, Shankaraghatta, during 2005-08.  
Worked as a staff secretary for Chemical Society, DOS in Chemistry, Manasagangotri, Mysore on many occasions since 1976.  
Involved in stock verification of the department during several years.

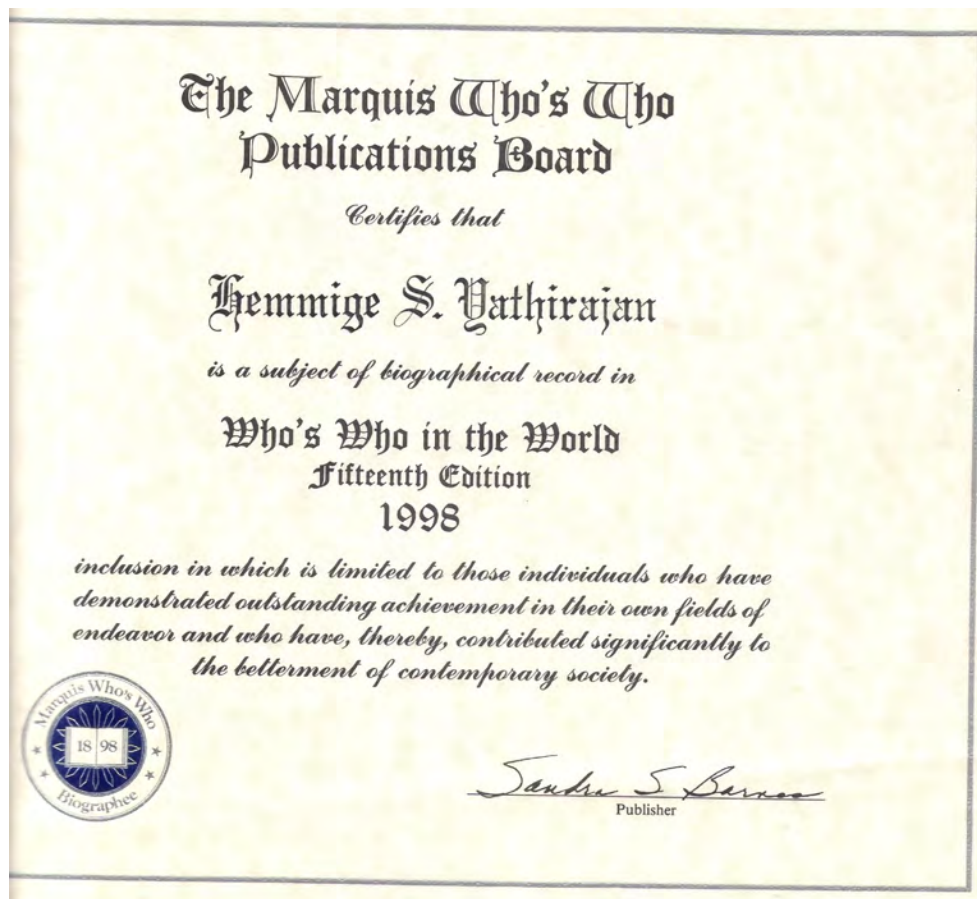
Worked as executive committee member of MUPGDTA as well as MUTA.

Referee for International Journal of Chemical Kinetics, Journal of Solutional Chemistry.

Worked as the chairman of the DOS in Chemistry, from July 2012 to June 2014.

Delivered Key-note address on "X-ray Crystallography and its Applications" at JSS College of Arts, Commerce & Science, Nanjungud on March 7<sup>th</sup> 2014 for a UGC sponsored Two day's National Seminar in Chemistry.

Biography appeared in Marquis "Who's Who in the World-1998"



***Fellow of the Royal Society of Chemistry  
(2010)***

Founded 1841  
Incorporated by Royal Charter 1848  
Patron Her Majesty the Queen



THIS IS TO CERTIFY THAT

***HEMMIGE YATHIRAJAN***

HAS BEEN ADMITTED AS A

FELLOW

OF

THE ROYAL SOCIETY OF CHEMISTRY

and is entitled to use the designatory letters FRSC

President

Chief Executive

Date of admission  
**12 November 2010**

Membership Number  
**455308**

The certificate is issued subject to the provisions of the Charter and By-Laws  
Registered Charity Number 207890



*Member (2011) – American Chemical Society  
(since 1992)*



# *American Chemical Society*

This certificate is presented to

**Dr. Hemmige S. Yathirajan**

IN RECOGNITION OF MEMBERSHIP

Of the American Chemical Society and is entitled to all rights and privileges associated therewith as specified in the Constitution, By-Laws, and Regulations of the Society.

A handwritten signature in black ink, appearing to read 'Nancy B. Jackson', written over a horizontal line.

Nancy B. Jackson  
ACS President, 2011

A handwritten signature in black ink, appearing to read 'Madeleine Jacobs', written over a horizontal line.

Madeleine Jacobs  
ACS Executive Director



**Sir C.V.Raman Young Scientist  
Research Award for Chemical  
Sciences - 2000**



## SOME RECENT PUBLICATIONS:

1. Manpreet Kaur, Jerry P. Jasinski, Brian J. Anderson, Hemmige S. Yathirajan and K. Byrappa (2015). Synthesis, Crystal Structures and DFT Calculations of two Schiff base derivatives of (2-amino-5-ethylthiophen-3-yl)-(2-chlorophenyl)methanone  
*J. Chem. Cryst.* **45(4)**, 193-201. DOI-10.1007/s10870-015-0580-4
2. M. Kaur, J. P. Jasinski, H. S. Yathirajan, C. N. Kavitha and C. G. Glidewell (2015)  
The crystal structures of three clozapinium salts: different molecular configurations, and supramolecular assembly in one, two and three dimensions.  
*Acta Cryst.* **E71(4)**, 406-413. [[doi:10.1107/S205698901500554X](https://doi.org/10.1107/S205698901500554X)]
3. Y. Shyma Mary, C. Yohannan Panicker, C. N. Kavitha, H. S. Yathirajan, M. S. Siddegowda, Sandra M. A. Cruz, Helena I. S. Nogueira, Abdulaziz A. Al-Saadi, Christian Van Alsenoy and Javeed Ahmad War (2015). Spectroscopic investigation (FT-IR, FT-Raman and SERS), vibrational assignments, HOMO–LUMO analysis and molecular docking study of Opi Pramol  
*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **137**, 547-559.
4. Y. Sheena Mary, T.S. Yamuna, C. Yohannan Panicker, H.S. Yathirajan, M.S. Siddegowda, Abdulaziz A. Al-Saadi, Christian Van Alsenoy and Javeed Ahmad War (2015).  
Vibrational spectroscopic studies and molecular docking of 10,10-Dimethylanthrone.  
*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **135**, 652-661.
5. Shanthini Keerthana, K. Namratha, K. Byrappa and H. S. Yathirajan (2014).  
Facile one-step fabrication of magnetite particles under mild hydrothermal conditions.  
*J. Magnetism and Magnetic Materials*, **378**, 551-557. [[doi:10.1016/j.jmmm.2014.10.176](https://doi.org/10.1016/j.jmmm.2014.10.176)]
6. C. N. Kavitha, R. J. Butcher, J. P. Jasinski, H. S. Yathirajan and M. Kaur (2014).  
Synthesis, Crystal Structures and DFT Molecular Orbital Surface Calculations of Two New Salts of a Piperazine Derivative  
*J. Chem. Cryst.* **44(10)**, 534-541.
7. S. Samshuddin, Jerry P. Jasinski, Ray J. Butcher, Elizabeth A. Neuhardt, B. Narayana, H.S. Yathirajan & C. G. Glidewell (2014).  
Three closely-related cyclohexanols C<sub>35</sub>H<sub>27</sub>X<sub>2</sub>N<sub>3</sub>O<sub>3</sub> (X = F, Cl or Br): similar molecular structures but different crystal structures  
*Acta Cryst.* **C70(10)**, 953-959.
8. Aletti S. Praveen, Hemmige S. Yathirajan, Manpreet Kaur, Badiadka Narayana, Eric Hosten, R. Betz and CG Glidewell (2014).  
Different patterns of supramolecular assembly in constitutionally similar 6-Aryl-imidazo[2,1-*b*][1,3,4]thiadiazoles  
*Acta Cryst.* **C70(9)**, 920–926.
9. Prakash S Nayak, Jerry P. Jasinski, M. Kaur, B. Narayana, H. S. Yathirajan and C. G. Glidewell (2014).  
Halogenated *C,N*-diarylacetamides: molecular conformations and supramolecular assembly  
*Acta Cryst.* **C70(9)**, 889-894. [[doi:10.1107/S2053229614018713](https://doi.org/10.1107/S2053229614018713)]
10. S. Samshuddin, J. P. Jasinski<sup>a</sup>, James A. Golen, B. Narayana, H. S. Yathirajan and C. G. Glidewell (2014)  
Hydrogen-bonded chains in 3,5-bis(4-fluorophenyl)-1-phenyl-1*H*-pyrazole and complex hydrogen-bonded sheets in (5*RS*,6*SR*)-6-(4-fluorobenzoyl)-5-(4-fluorophenyl)-2-(4-hydroxyphenyl)-5,6-dihydro-4*H*-oxadiazine-*N,N*-dimethyl formamide (1/1)  
*Acta Cryst.* **C70(9)**, 867–871. [[doi:10.1107/S2053229614017707](https://doi.org/10.1107/S2053229614017707)]

11. Thammarse S. Yamuna, Jerry P. Jasinski, Manpreet Kaur, Brian J. Anderson and H.S. Yathirajan (2014).  
Two tautomers in the same crystal: 3-(4-fluorophenyl)-1H-pyrazole and 5-(4-fluorophenyl)-1H-pyrazole  
*Acta Cryst E70* (9), o949-o950.
12. C. N. Kavitha, H. S. Yathirajan, Manpreet Kaur, Eric Hosten, Richard Betz and C. G. Glidewell (2014)  
Three-dimensional hydrogen-bonded framework structures in flunarizinium nicotinate and flunarizindium bis(4-toluenesulfonate) dihydrate  
*Acta Cryst. C70* (8), 805-811.
13. Manpreet Kaur, H. S. Yathirajan, K. Byrappa, Eric Hosten and Richard Betz (2014)  
Desvenlafaxinium 3,5-dinitrobenzoate 3,5-dinitrobenzoic acid monohydrate  
*Z. Kristallogr-NCS.229*, DOI 10.1515/ncrs-2014-0131
14. Y. Sheena Mary, C. Yohannan Panicker, T. S. Yamuna, H. S. Yathirajan, M. S. Siddegowda, Abdulaziz A. Al-Saadi and Christian Van Alsenoy (2014).  
Theoretical investigations on the molecular structure, vibrational spectral, HOMO-LUMO and NBO analysis of 9-[3-(dimethylamino)propyl]-2-trifluoro-methyl-9H-thioxanthen-9-ol.  
*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 132 (2014) 491-501.  
<http://dx.doi.org/10.1016/j.saa.2014.05.016>
15. Sumaiya Tabassum, T.H. Suresha Kumara, Jerry P. Jasinski, Sean P. Millikan, H.S. Yathirajan, P.S. Sujan Ganapathy, H.B.V. Sowmya, Sunil S. More, Gopalpur Nagendrappa, Manpreet Kaur, Gilish Jose (2014).  
Synthesis, Crystal Structure, ABTS Radical-Scavenging Activity, Antimicrobial and Docking Studies of Some Novel Quinoline Derivatives.  
*J. Mol. Struct.* 1070 (2014) 10–20. : <http://dx.doi.org/10.1016/j.molstruc.2014.04.009>
16. Y. Shyma Mary, P. J. Jojo, Christian Van Alsenoy, Manpreet Kaur, M. S. Siddegowda, H. S. Yathirajan , Helena I. S. Nogueirae, Sandra M. A. Cruz (2014).  
Vibrational spectroscopic studies (FT-IR, FT-Raman, SERS) and quantum chemical calculations on cyclobenzaprinium salicylate  
*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 120, 340–350.
17. Anita M. Owczarzak, S. Samshuddin, B. Narayana, H. S. Yathirajan and M. Kubicki (2013).  
Pseudosymmetry, polymorphism and weak interactions: 4,4''-difluoro-5'-hydroxy-1,1':3',1''-terphenyl-4'-carboxylic acid and its derivatives.  
*CrytEngComm*, 15, 9893–9898. DOI: 10.1039/C3CE41639A. **COVER ARTICLE** .
18. Nagaraj Basavegowda, Agnieszka Sobczak-Kupiec, Dagmara Malina, Yathirajan HS, Keerthi V R, Chandrashekar N, Salman Dinkar, Liny P (2013).  
**Plant mediated synthesis of gold nanoparticles using fruit extracts of ananas comosus (L.) (pineapple) and evaluation of biological activities**  
*Adv. Mat. Lett.* 4(5), 332-337.

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## SPECIAL COURSES ATTENDED

- Winter School on “Chemical Applications of Statistical Mechanics” held at IIT, Bombay, India from Dec 12 – 31, 1988.
- “Chemical Laboratory Safety Course” held at the Department of Chemistry, Washington univ., St.louis, MO, USA, from August 30, 1990 to Nov 15, 1990.

- “Kinetics & Mechanism” by Prof. J. L. Kurz, at the Department of Chemistry, Washington univ., St.louis, MO, USA, from Jan 14, 1991 to April 26, 1991.
- “Introduction to NMR” by Prof. Schafer at the Department of Chemistry, Washington univ., St.louis, MO, USA, from Jan 13, 1992 to April 24, 1992.
- “Refresher Course in Chemistry” held at Academic Staff College, Andhra Univ., Vishakapatnam, from Nov 8, 1993 to Dec 4, 1993.
- “Refresher Course in Chemistry” held at Academic Staff College, Univ. of Mysore, Mysore, from Sept 19, 1994 to Oct 12, 1994.
- “National Workshop on Radiochemistry and Application of Radioisotopes” held at the DOS in Chemistry, UOM, Mysore from Nov 27, 1995 to Dec 4, 1995.
- “Advanced refresher Course on Solid state and materials chemistry” held at Solid State and Structural Unit, IISc, Bangalore, from Feb 1 – 28, 2001.

**Read the most downloaded articles for free from Journal of Chemical Crystallography (USA)—2012**

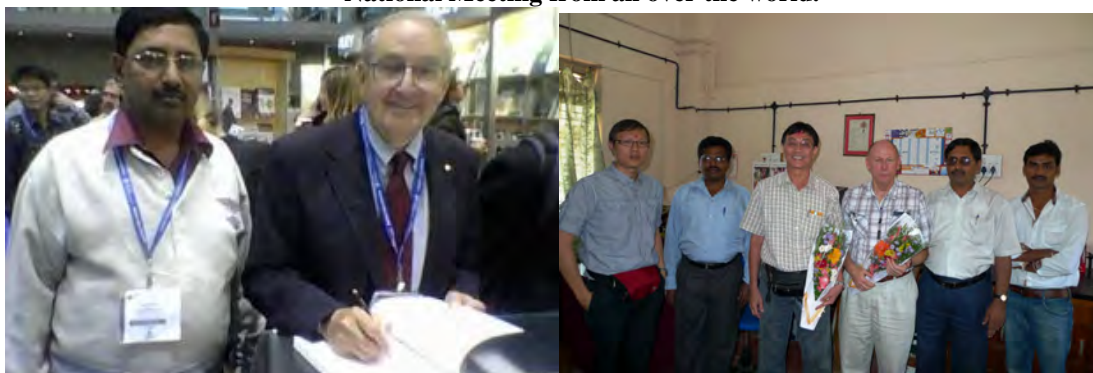
**March 14, 2012**

- 2615** [5-\(4-Ammonio-2-Oxopyrimidine-1\(2H\)-yl\)-1,3-Oxathiolane-2-Carboxylate \(lamivudine acid\) Semihydrate: The Six-Fold Symmetry Created by Hydrogen Bond Network](#)  
Dutkiewicz, Grzegorz; Chidan Kumar, C. S.; **Yathirajan, H. S.**; Narayana, B.; Kubicki, Maciej
- 1956** [Synthesis and Crystal Structures of Two New Schiff Base Hydrazones Derived from Biphenyl-4-Carbohydrazide](#)  
Dutkiewicz, Grzegorz; Narayana, B.; Samshuddin, S.; **Yathirajan, H. S.**; Kubicki, Maciej
- 659** [Ordering of the Water Molecule in the Crystal Structure of 2-\[3-Methyl-4-\(2,2,2-Trifluoroethoxy\)-2-Pyridinyl\]Methylthio-1H-Benzimidazole Hydrate \(Lansoprazole Sulphide Hydrate\)](#)  
Kubicki, Maciej; Dutkiewicz, Grzegorz; Jasinski, Jerry P.; Butcher, Ray J.; Siddegowda, M. S.; **Yathirajan, H. S.**; Narayana, B.
- 518** [Two Crystal Forms of 4-{\(2E\)-2-\[1-\(4-Methoxyphenyl\)ethylidene\]hydrazinyl}-8-\(trifluoromethyl\)quinoline](#)  
Kubicki, Maciej; Dutkiewicz, Grzegorz; Praveen, A. S.; Mayekar,

Anil N.; Narayana, B.; **Yathirajan, H. S.**

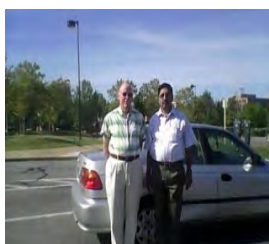
## AROUND THE WORLD.....

**Prof. H. S. Yathirajan (DOS in Chemistry-Univ. of Mysore) and Prof. E. J. Corey (Nobel laureate in Chemistry-1990). Photo taken at the Boston Convention and Exhibition Center on 25th August 2010 at the 240th American Chemical Society National meeting (21-26<sup>th</sup> Aug 2010). Prof. Corey signing the book "Molecules and medicine" written by himself. More than 14,000 researchers attended the ACS National Meeting from all over the world.**



**Prof. Hemmige S. Yathirajan and  
Prof. E. J. Corey (Nobel laureate-1990)**

**Prof. H. K. Fun – Prof. Ray Butcher – Prof. H. S.  
Yathirajan (Picture taken on 14-12-2011 at the DOS in Chemistry, UOM, Mysore)**



**Prof. Ray J. Butcher  
& Prof. H.S. Yathirajan  
Photo taken on Sept 11, 2010**



**Oxford X-ray diffractometer at Ray  
Butcher's lab  
Photo taken on August 17, 2010**



**Prof. H. S. Yathirajan with Prof. Jerry Jasinski  
(Middle) in the Boston ACS meeting--Photo taken  
on August 25, 2010**



**Prof. B. Narayana**  
(Mangalore Univ)

**Dr. Tsunami Narasimha  
Murthy (IISc)**

**Dr. Ravindranath  
Rathore (Hyderabad)**

## CRYSTAL STARS AROUND THE WORLD



**Prof. Bill (UK)**



**Dr. Michael (Ger)**



**Dr Betz (Ger)**



**Prof. M. Kubicki**  
(Poland)



**Prof. Fun**  
(Malaysia)



**Dr. Florke (Ger)**



**Prof. Jerry Jasinski (USA)**



**Prof. Ray Butcher**  
(USA)



**Dr. Andrea  
Fischer (Switz)**



**Prof. M. Akkurt**  
(Turkey)



**Prof. W. T. Wong**  
(China)



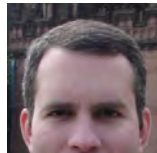
**Dr. Leslaw Sieron**  
(Poland)



**Mustafa Odabasoglu**  
(Turkey)



**Orhan Büyükgüngör**  
(Turkey)



**Daniel E. Lynch**  
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**Edward Tiekink**  
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\* \* \* \* \*

## Some Papers presented at Conferences / Symposia / Meetings

- <sup>1.</sup> **Manpreet Kaur**<sup>a</sup>, Jerry P. Jasinski,<sup>b</sup> and H. S. Yathirajan<sup>a</sup>  
**Crystal and molecular structure studies of some thiophene derivatives**  
NACOPAC, DOS in Chemistry, UOM, Dec 29-31, 2014—Oral presentation
- <sup>2.</sup> **M. Girisha**<sup>a</sup>, B.K.Sagar<sup>a</sup>, H.S.Yathirajan<sup>a</sup>, Y.Sheena Mary<sup>b</sup>, C.Yohannan Panicker<sup>c</sup>  
**Vibrational spectra, HOMO, LUMO, NBO, MEP analysis, hyperpolarizability calculations and molecular docking study of 2,2-Diphenyl-4-(piperidin-1-yl)butanamide**  
NACOPAC, DOS in Chemistry, UOM, Dec 29-31, 2014—Poster presentation
- <sup>3.</sup> **Manpreet Kaur**<sup>a</sup>, Jerry P. Jasinski,<sup>b\*</sup> Amanda C. Keeley<sup>b</sup> and H. S. Yathirajan<sup>a</sup>  
**Crystal and molecular structure studies of a thiazole derivative**  
32nd annual conference of ICC held at Dharwad from Nov 28-30, 2013,  
under the **Oral/Poster/CYSA-** Presentation—Physical Chemistry section
- <sup>4.</sup> **T. S. Yamuna**<sup>a</sup>, Jerry P. Jasinski,<sup>b\*</sup> Derek R. Scadova,<sup>b</sup> H. S. Yathirajan<sup>a</sup> and Manpreet Kaur<sup>a</sup>  
**Crystal and molecular structure studies of salt of a pyrazole**  
32nd annual conference of ICC held at Dharwad from Nov 28-30, 2013,  
under the **Oral/Poster/CYSA-** Presentation—Physical Chemistry section
- <sup>5.</sup> **Channappa N. Kavitha**<sup>a</sup>, Jerry P. Jasinski,<sup>b\*</sup> Somer M. Matar,<sup>b</sup> H. S. Yathirajan<sup>a</sup> and A. R. Ramesha<sup>c</sup>



**Crystal and molecular structure studies of maleate salt of flunarizine**  
32nd annual conference of ICC held at Dharwad from Nov 28-30, 2013,  
under the Oral/Poster/CYSA- Presentation—Physical Chemistry section

6. [Manpreet Kaur](#), Jerry P. Jasinski, Ray J Butcher and Hemmige S. Yathirajan,  
Poster no. P-34 Title "Crystal and molecular structure studies of two new derivatives of cyclohex-  
ene-1-carboxylates",  
Chemical Science Section of the 101st Indian Science Congress held in University of Jammu,  
during Feb. 3-7, 2014.
  
7. **Mishra R**, Siddiqui AA, Husain A, Rashid M, Dutta M, Bhutani R, Yathirajan HS and Tailang M.  
**One-Pot Synthesis of Substituted Carbohydrazides as Potential Tuberculostics**  
**“AICTE SPONSORED NATIONAL SEMINAR ON NEW HORIZONS IN DRUG DISCOVERY**  
**AND DEVELOPMENT”** held at Department of Pharmaceutical Chemistry,  
Faculty of Pharmacy, Jamia Hamdard, Hamdard Nagar, New Delhi-110062, from  
17TH -18TH SEP, 2011 (PROCEEDING -17).
  
8. **S. Samshuddin**, B. Narayana, B.K. Sarojini, H.S.Yathirajan, C.G. Darshanraj, R.  
Raghavendra  
Synthesis, Characterization and Biological Evaluation of Some 1, 3, 5-Triaryl-2-pyrazolines  
International Symposium on Challenges in Drug Discovery Programme-2011 (ISCDDP-2011) held in  
the Cauvery Auditorium, Karnataka State Open University, Manasagangotri, Mysore-570006 during  
February 16-17, 2011.
  
9. **Jerry P. Jasinski**, Ray J. Butcher, A. N. Mayekar, **H. S. Yathirajan** and B. Narayana  
**MED-432-Crystal Structures and Hydrogen Bonding Patterns in some Schiff Bases of**  
**Pharmacological importance - 240th American Chemical Society (ACS) National Meeting, Boston,**  
**USA, August 22-26, 2010.-(Division of Medicinal Chemistry) - August 25, 2010, 7:00 pm -Boston**  
**Convention & Exposition Center, Room: Ballroom**
  
10. **Jerry P. Jasinski**, Ray J. Butcher, Q.N.M. Hakim Al-arique, **H. S. Yathirajan**, and B. Narayana  
**MED-434-Crystal Structures and Hydrogen Bonding Patterns in Picrate Salts of Pharmacologically**  
**Active Compounds- I - 240th American Chemical Society (ACS) National Meeting, Boston, USA,**  
**August 22-26, 2010. - (Division of Medicinal Chemistry)- August 25, 2010, 7:00 pm -Boston Convention**  
**& Exposition Center, Room: Ballroom**
  
11. **Jerry P. Jasinski**, Ray J. Butcher, **H. S. Yathirajan**, B. Narayana and K. Prakash Kamath  
**MED-435-Crystal Structures and Hydrogen Bonding Patterns in Picrate Salts of Pharmacologically**  
**Active Compounds-II - 240th American Chemical Society (ACS) National Meeting, Boston, USA,**  
**August 22-26, 2010. (Division of Medicinal Chemistry)- August 25, 2010, 7:00 pm--Boston Convention**  
**& Exposition Center, Room: Ballroom**
  
12. **M. T. Swamy**, C. S. Chidan Kumar, B. P. Siddaraju, **H. S. Yathirajan** and B.  
Narayana  
**OP 01-Crystal and molecular structure studies of an etoposide phosphate intermediate. "National**  
**Conference on Recent Trends In Chemical and Biological Sciences (NCRTCBS-2010)" held on 30th**  
**and 31st March, 2010 organized by Dept. of Chemistry, Kuvempu University, Jnana Sahyadri,**  
**Shankaraghatta 577 451.**
  
13. **Q. N. M. Hakim AL-arique**, M. S. Siddegowda, A. N. Mayekar, A. S. Praveen, H.S.Yathirajan and B.  
Narayana  
**PP 01-Crystal and molecular structure studies of a dibenz[b,f]azepine derivative. "National**  
**Conference on Recent Trends In Chemical and Biological Sciences (NCRTCBS-2010)" held on 30th**

and 31st March, 2010 organized by Dept. of Chemistry, Kuvempu University, Jnana Sahyadri, Shankaraghatta 577 451.

14. **C. S. Chidan Kumar**, A. N. Mayekar and H. S. Yathirajan  
**PP32- Synthesis and Crystal Structure Studies of Phthalazine derivative**  
**National Conference on MATERIALS:NANO TO MACRO DIMENSIONALITY AND THEIR VARIED APPLICATIONS** – organized by Department of Chemistry, Manonmaniam Sundaranar University, Tirunelveli – 627 012, TN, held on Jan 28-29, 2010.
15. **Jerry P. Jasinski**, Ray J. Butcher, H. S. Yathirajan, B. Narayana, L. Mallesha and K. N. Mohana  
**INORG 137 - Intermolecularly associated carboxylic acid dimers in the supramolecular assembly of 1,4-benzodioxane 2-carboxylic acid**  
**238th American Chemical Society (ACS) National Meeting, Washington, DC, USA, August 16-20, 2009.**  
**(Bioinorganic Chemistry: Enzymes and Coenzymes - Division of Inorganic Chemistry)**  
7:00 PM-9:00 PM, Sunday, August 16, 2009 Walter E. Washington Convention Center -- Hall D.
16. **Jerry P. Jasinski**, Ray J. Butcher, Anil N. Mayekar, **H. S. Yathirajan** and B. Narayana  
**INORG 138 - Structures of three chalcones derived from 6-methoxy-2-naphthaldehyde**  
**238th American Chemical Society (ACS) National Meeting, Washington, DC, USA, August 16-20, 2009.**  
**(Bioinorganic Chemistry: Enzymes and Coenzymes - Division of Inorganic Chemistry)**  
7:00 PM-9:00 PM, Sunday, August 16, 2009 Walter E. Washington Convention Center -- Hall D.
17. **Jerry P. Jasinski**, Ray J. Butcher, L. Mallesha, K. N. Mohana, **H. S. Yathirajan** and B. Narayana  
**INOR 486 - Unique hydrogen bonding effects in biomolecules**  
**238th American Chemical Society (ACS) National Meeting, Washington, DC, USA, August 16-20, 2009.**  
**(Bioinorganic Chemistry: Enzymes and Coenzymes - Division of Inorganic Chemistry)**  
7:00 PM-9:00 PM, Tuesday, August 18, 2009 Walter E. Washington Convention Center -- Hall D.
18. **Jerry P. Jasinski**, Ray J. Butcher, L. Mallesha, K. N. Mohana, **H. S. Yathirajan** and B. Narayana  
**INOR 487 - Unusual hydrogen bonding effects in biomolecules**  
**238th American Chemical Society (ACS) National Meeting, Washington, DC, USA, August 16-20, 2009.**  
**(Bioinorganic Chemistry: Enzymes and Coenzymes - Division of Inorganic Chemistry)**  
7:00 PM-9:00 PM, Tuesday, August 18, 2009 Walter E. Washington Convention Center -- Hall D.
19. B. K. Sarojini, B. Narayana, **J. Indira**, **H. S. Yathirajan** (**Best paper Award- Presented by Mrs.Indira**)  
**Synthesis and studies on crystal structure of new (2E)-3-(biphenyl-4-yl)-1-(4-chlorophenyl)-prop-2-en-1-one (poster No. 15)**  
National conference on emerging Areas in Chemical and Biological sciences (NCEACB-2007) 23-24, March, 2007, held at Kuvempu University
20. **B. K. Sarojini**, B. Narayana, J. Indira and H.S.Yathirajan  
**'Studies on structure activity relationship [SAR] for non linear optical [NLO] property of new halo substituted chalcone derivatives'**  
**VIII International Conference on Optoelectronics, Fiber Optics and Photonics**  
**December 13-16, 2006 ' Photonics-06' held at University of Hyderabad, INDIA, Paper No. NLO-25,Page No.353-357.**
21. **Yathirajan, H. S.**, Anilkumar, H. G., Narasegowda, R.S., Nagaraj, B., Nagaraja, P., Narasimhamurthy, T., Lynch D. E. and Rathore R. S.  
**"Structures and Conformations of Hypoglycemic tricyclic benzofuran analogs" (P-180)**

**“Joint Conference on Building Bridges, Forging Bonds for 21<sup>st</sup> Century Organic Chemistry and Chemical Biology (ACS-CSIR-OCCB-21<sup>st</sup> century- 2006)”**, held at the NCL-Pune, Pune, from Jan 7-9, 2006.

22. **C. R. Raju**, H. S. Yathirajan, M. N. Ponnuswamy, K. Palani  
**“PHY-OP-25 -- “Crystal and molecular structure studies of 4-[(3-allyl-2n-butyl-5-mercapto-3H-imidazol-4-ylmethylene)-amino-5-phenyl-1H-pyrazole-3-thiol]” – (CCDC No. 245939)”**  
**‘41<sup>st</sup> Annual Convention of Chemists’**, held at the University of Delhi, Delhi, from Dec 23-27, 2004.

23. **H. S. Yathirajan**, C. R. Raju, M. N. Ponnuswamy, K. Palani  
**“PHY-OP-27 - Crystal structure studies of 5-(4'-methyl-1,1'-biphenyl-2-yl)-1H-tetrazole” (CCDC No.223082).**  
**‘41<sup>st</sup> Annual Convention of Chemists’**, held at the University of Delhi, Delhi, from Dec 23-27, 2004.

24. **H. S. Yathirajan**  
**“Kinetics & Mechanism of oxidation of various substrates by bromamine-T and bromamine-B: Bottleneck and realities”**  
Indian Council of Chemists held at the DOS in Chemistry, UOM, Mysore, from Dec 22-24, 2002.

25. **R.A. Thirumuraghan**, M.N. Ponnuswamy, P. Ambalavanan & H. S. Yathirajan  
**“Crystal and molecular Structure of 2-butyl-5chloro-3H-imidazole-4-carbaldehyde”**  
XXXI National Seminar on Crystallography (NSC-2001) held at BARC, Mumbai from June 19-22, 2001.

26. **M.N. Ponnuswamy**, R.A. Thirumuraghan, P. Ambalavanan & H. S. Yathirajan  
**“Crystal and molecular Structure of 2-chloro-3-( $\beta$ -nitrovinyl)quinoline”**  
XXXI National Seminar on Crystallography (NSC-2001) held at BARC, Mumbai from June 19-22, 2001.

27. **P. Ambalavanan**, M.N. Ponnuswamy, R.A. Thirumuraghan & H. S. Yathirajan  
**“Crystal and molecular Structure of a trizole derivative”**  
XXXI National Seminar on Crystallography (NSC-2001) held at BARC, Mumbai from June 19-22, 2001.

28. **P. Nagendra**, H. S. Yathirajan, K. N. Mohana & K.S.Rangappa  
**“Silver Salt of N-bromo-4-methylbenzene Sulphonamide as a new oxidimetric reagent”**  
Indian Council of Chemists held at the Department of Chemistry, Kuvempu University, Shimoga from November 27-29, 2000

29. **C.R. Raju**, K.N.Mohana, **H. S. Yathirajan** & K.S.Rangappa  
**“Determination of quantum yield for the photolysis of aqueous solution of chloramine-B”**  
37<sup>th</sup> Annual Convention of Chemists held at Gurukula Kangri University, Hardwar from November 15-18, 2000.

30. **P.Nagendra**, K.N.Mohana, **H. S. Yathirajan** & K.S.Rangappa  
**“The O-Na interaction in bromamine-T”**  
37<sup>th</sup> Annual Convention of Chemists held at Gurukula Kangri University, Hardwar from November 15-18, 2000.

31. **H. S. Yathirajan**, **P.Nagendra** & K.S.Rangappa  
**“Comparison Study of quantum yields, bond lengths and bond angles in aromatic sulphonyl haloamines”**  
International Conference on Chemistry and Annual Convention of Chemists held at Calcutta from December 11-16, 1999.

32. **P. Nagendra**, **H. S. Yathirajan** & K. S. Rangappa

**“Determination of molecular weight of amino acids, isoniazid and pyridoxine hydrochloride with bromamine-T”**

International Conference on Chemistry and Annual Convention of Chemists held at Calcutta from December 11-16, 1999.

33. P. Nagendra, H. S. Yathirajan, K.S.Rangappa, M.A. Sridhar & J. S. Prasad

**“Structure factors in *N,N*-dibromo-4-methylbenzenesulphonamide”**

National Conference on recent trends in Structure functions, analysis of molecules and applications held at University of Mysore, from October 28-30, 1999

34. A. B. Mamathadevi, H. S. Yathirajan & K. S. Rangappa

**“Does the reaction of Chloramine-B with Cr(III), Al(III) and Fe(III) solutions lead to dichloroamine-B?”**

The third National Symposium on correlation analysis in Chemistry held at University of Mysore, from September 21-22, 1998.

35. K.N. Mohana & H. S. Yathirajan

**“Kinetics and mechanism of the oxidation of cyclopentanone and cyclohexanone by bromamine-B in perchloric acid medium”**

Annual Convention of Chemists, held at Combatore from December 26-29, 1996.

36. K.N. Mohana, H. S. Yathirajan, A. S. Anandamurthy, K. M. Lokanatharai

**“Thermal and photolytic decomposition of aqueous bromamine-B”**

Annual Convention of Chemists, held at Combatore from December 26-29, 1996.

37. H. S. Yathirajan, K. N. Mohana, M. S. Madhava and R. Somashekhar

**“X-ray Debye Temperatures in a series of organic haloamines” (P-096)**

212<sup>th</sup> American Chemical Society National Meeting held at Orlando, Florida, USA from August 25-29, 1996.

38. K.C. Sreenivasamurthy, P. Nagaraja and H. S. Yathirajan

**“Spectrophotometric determination of isoniazid with sodium 1,2-naphthoquinonesulphonate and cetyltrimethyl ammonium bromide”**

Annual Convention of Chemists, held at Jaipur, Dec 1995.

39. K. N. Mohana, H. S. Yathirajan & Rangaswamy

**“Conductometric study on the interaction of bromamine-B with Ag (I), Hg(II), Th(IV) and Zr(IV) solutions”**

Annual Convention of Chemists, held at Jaipur, Dec 1995.

40. Aparna R. Nadig, H. S. Yathirajan & Rangaswamy

**“Mechanism of the chlorination of acetophenone and its substituents by chloramine-B in HClO<sub>4</sub> medium: A kinetic study”**

Annual Convention of Chemists, held at Indore, Dec 1989.

41. Aparna R. Nadig, H. S. Yathirajan & Rangaswamy

**“Mechanism of the chlorination of acetophenone and its substituents by chloramine-B in HCl medium: A kinetic study”**

Annual Convention of Chemists, held at Indore, Dec 1989.

42. Aparna R. Nadig, H. S. Yathirajan & Rangaswamy

**“Kinetics & Mechanism of the chlorination of ketones by chloramine-B in HCl & HClO<sub>4</sub> media**

Annual Convention of Chemists, held at Calcutta, Dec 1988.

43. Aparna R. Nadig, H. S. Yathirajan & Rangaswamy

**“Kinetics & Mechanism of the chlorination of anisole by chloramine-B in HCl & HClO<sub>4</sub> media**

Annual Convention of Chemists, held at Calcutta, Dec 1988.

44. Aparna R. Nadig, **H. S. Yathirajan** & Rangaswamy  
**“Kinetics & Mechanism of the oxidation of hydroxylamine hydrochloride by CAB in perchloric acid medium”**

Annual Convention of Chemists, held at Kohlapur, Dec 1987.

45. B. N. Usha, **H. S. Yathirajan** & Rangaswamy  
**“Interaction of haloamines with Cr(III), Al(III) and Fe(III) solutions”**

Annual Convention of Chemists, held at Calcutta, Dec 1984.

46. B. N. Usha, **H. S. Yathirajan** & Rangaswamy  
**“Oxidation of glutamic acid and its rare earth complexes with bromamine-B”**

Annual Convention of Chemists, held at Cuttack, Dec 1983.

47. B. N. Usha, **H. S. Yathirajan** & Rangaswamy  
**“Kinetics & Mechanism of the chlorination of 2-methylphenol by chloramines-B in hydrochloric acid medium”**

National Symposium on Kinetics & mechanism of reactions in solution, held at UOM, 1983.

48. **Rangaswamy, H. S. Yathirajan** & A. N. Nayak  
**“Rapid spectrophotometric determination of phenothiazine tranquilisers with EBBR”.**

9<sup>th</sup> International Symposium on microchemical techniques, held at Amsterdam, 1983.

49. **B. N. Usha, H. S. Yathirajan** & Rangaswamy  
**“Kinetics & Mechanism of the chlorination of aniline by CAB in hydrochloric acid medium”**

Indian Council of Chemists, held at Srinagar, Dec 1982.

50. **B. N. Usha, H. S. Yathirajan** & Rangaswamy  
**“Conductometric study on the interaction of chloramine-B with Ag(I) and Hg(II) solutions”**

Annual Convention of Chemists, held at Madras, Dec 1981.

51. **H. S. Yathirajan, Rangaswamy** & D. S. Mahadevappa  
**“Kinetics & Mechanism of the oxidation of allyl and crotyl alcohols by CAB in hydrochloric acid medium”**

Annual Convention of Chemists, held at Madras, Dec 1981.

52. **H. S. Yathirajan, Rangaswamy** & D. S. Mahadevappa  
**“Kinetics & Mechanism of the oxidation of cinnamyl alcohol by CAB in hydrochloric acid medium”**

Annual Convention of Chemists, held at Kurukshetra, Dec 1979.

53. **H. S. Yathirajan, Rangaswamy** & D. S. Mahadevappa  
**“Some analytical applications of chloramine-B”.**

Annual Convention of Chemists, held at Waltair, Dec 1978.

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## Titles of the Journals in which the papers are published

### 1. Acta Chim. Acad. Sci. Hung. (Hungary)

2. **Acta Crystallographica C (IUCr)**
3. **Acta Crystallographica E (IUCr)**
4. **Acta Pharm Hung (Hungary)**
5. **Adv Mat Lett**
6. **Anal Bioanalchem**
7. **Anal Biochem**
8. **Anal Lett**
9. **Anal Sci (Jap)**
10. **Anal. Chim. (Italy)**
11. **Analyst (RSC)**
12. **Analytica Chimica Acta (RSC)**
13. **An. Quim. (Spain)**
14. **ARS Pharm (Spain)**
15. **Asian J Chem**
16. **Coll Czech Chem Comm (Czech)**
17. **Cryst Engg Comm (RSC)**
18. **Cryst Res Technology (SPRINGER)**
19. **CRYSTALS (MDPI)**
20. **Curr. Sci.**
21. **Der Pharm Chem**
22. **Eur J Pharm Biopharm**
23. **Fres Envir Bull**
24. **Fres Z. Anal. Chem.**
25. **IFarmaco (Italy)**
26. **Ind Drugs**
27. **Ind. J. Chem.**
28. **Ind. J. Pharm. Sci.**
29. **Int J Chem**
30. **Int J Pharm**
31. **J Pharm Biomed Anal (Elsevier)**
32. **J. Assoc. Off. Anal. Chem.(USA)**
33. **J. Chem. Cryst. (Springer)**
34. **J. Indian Chem. Soc.**

35. Journal of Molecular Structure  
 36. Med Chem Res  
 37. Mol Cryst Liq Cryst (USA)  
 38. Mol Bank  
 39. Oxid Comm  
 40. Proceed. Nat. Acad. Sci. (India)  
 41. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy  
 42. Talanta  
 43. Turk J Chem  
 44. Z. Kristallogr. NCS

## RESEARCH PUBLICATIONS

[http://scholar.google.com/citations?hl=en&view\\_op=list\\_works&email\\_for\\_op=yathirajan%40hotmail.com&invitation\\_id=16942976874058866310&user=vfPqAAAAJ](http://scholar.google.com/citations?hl=en&view_op=list_works&email_for_op=yathirajan%40hotmail.com&invitation_id=16942976874058866310&user=vfPqAAAAJ)

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