

**List of research publications – 2006**

<b>S. No</b>	<b>Author(s)</b>	<b>Title of the Publication</b>	<b>Journal</b>	<b>Vol</b>	<b>Pages</b>
1.	M. Shaharyar, A.A. Siddiqui, M. Asharaf Ali, D. Sriram, P. Yogeewari	Synthesis and In-Vitro Antimycobacterial Activity of N1-Nicotinoyl-3-(4'-Hydroxy-3'-Methyl Phenyl)-5-[(Sub)Phenyl]-2-Pyrazolines	Bio Organic Medicinal Chemistry Letters	16	3947-3949
2.	P. Yogeewari, J.V. Ragavendran, D. Sriram	An Update on GABA Analogs for CNS Drug Discovery	Recent Patents On CNS Drug Discovery	1	113-118
3.	D. Sriram, P. Yogeewari, R. Thirumurugan, P. Roheeth Kumar	Discovery of Newer Antitubercular Oxazolyl Thiosemicarbazones	Journl of Medicinal Chemistry	49	3448-3450
4.	P. Yogeewari, D. Sriram, J. Vaigunda Raghavendran, R. Thirumurugan, S. Induja, J.P. Stables	Synthesis and Structure-Activity Relationship on Anticonvulsant Aryl Semicarbazones	Medicinal Chemistry	2	55-62
5.	D. Sriram, P. Yogeewari, K. Madhu	Synthesis and In-Vitro Antitubercular Activity of Some Novel Molecules	Bio Organic Medicinal Chemistry Letters	16	876-878
6.	P. Yogeewari, D. Sriram, R. Thirumurugan, J.P. Stables	2,4-Dimethoxyphenyl Semicarbazones with Anticonvulsant Activity against Three Animal Models of Seizure: Synthesis and Pharmacological Evaluation	Bio Organic Medicinal Chemistry Letters	14	3106-3112
7.	D. Sriram, P. Yogeewari, R.V. Devakaram	Synthesis, in Vitro and in Vivo Antimycobacterial Activities of Diclofenac Acid Hydrazones and Amides	Bio Organic Medicinal Chemistry	14	3113-3118
8.	D. Sriram, P. Yogeewari, S.P. Reddy	Synthesis of Pyrazinamide Mannich Bases and its Antitubercular Properties	Bio Organic Medicinal Chemistry Letters	16	2113-2116

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9.	D. Sriram, P. Yogeewari, N.S. Myneedu, V. Saraswat	Abacavir Prodrugs: Microwave-Assisted Synthesis and Their Evaluation of Anti-HIV Activities	Bio Organic Medicinal Chemistry Letters	16	2127-2129
10.	D. Sriram, A. Aubry, P. Yogeewari, L.M. Fischer	Gatifloxacin Derivatives: Synthesis, Antimycobacterial Activities, and Inhibition of Mycobacterium Tuberculosis DNA Gyrase	Bioorganic Medicinal Chemistry Letters	16	2982-2985
11.	P. Yogeewari, D. Sriram, R.Thirumurugan, T. R. Bal	Epibatidine and its Analogues as Nicotinic Acetylcholine Receptor Agonist: An Update	Natural Product Research	20	497-505
12.	D. Sriram, P. Yogeewari, K. Meena	Design, Synthesis, Anti-HIV and Antitubercular Activities of Isatin Derivatives	Die Pharmazie	61	271-274
13.	P. Yogeewari, R.Thirumurugan, D. Sriram, L.R.J. Suniljit, J. Vaigunda Ragavendran, R. Kavya, K. Rakhra, J.P. Stables	Synthesis of Some New Semicarbazone Derivatives as Anticonvulsants With GABA- Mediated Mechanism	Acta Pharmaceutica	56	259-272
14.	Sajeev Chandran, Ravi Punnarao, Ranendra N. Saha	Development and in Vitro Evaluation of Oral Controlled Release Formulations of Celecoxib Using Optimization Techniques	Journal of Pharmaceutical Society of Japan (Yakazaku Zasshi)	126	505-514
15.	Imran M., Singh R.S.P., Sajeev Chandran	Stability Indicating Ultraviolet Spectroscopic Method for the Estimation of Ezetimibe and Carvedilol	Pharmazie	61	766-769
16.	Laila Fatima Ali Asghar, Sajeev Chandran	Multi-Unit formulation Approach to Colon-Specific Drug Delivery: Current Perspectives	Journal of Pharmacy & Pharmaceutical Sciences	9	327-338

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17.	Chandran Sajeev, Jadhav P. R., Kharwade P.B., Saha R. N.	Rapid and Sensitive Spectrofluorimetric Method for the Estimation of Celecoxib and Flurbiprofen	Indian Journal of Pharmaceutical Science	68	20-25
18.	S.P. Gupta and S. Kumaran	Quantitative Structure-Activity Relationship Studies on Matrix Metalloproteinase Inhibitors: Piperazine, Piperidine and Diazepine Hydroxamic Acid Analogs	Asian Journal of Biochemistry	1	211-223
19.	S. P. Gupta and S. Kumaran	Quantitative Structure-Activity Relationship Studies on Benzodiazepine Hydroxamic Acid-Based Inhibitors of Matrix Metalloproteinases and Tumor Necrosis Factor- $\alpha$ Converting Enzyme	Asian Journal of Biochemistry	1	47-56
20.	D. Sriram, P. Yogeewari, M.R.K Kishore	Synthesis and Anti-HIV Activity of Nevirapine Prodrugs	Pharmazie	61	895-897
21.	D. Sriram, T. R. Bal, P. Yogeewari, D.R. Radha, V. Nagaraja	Evaluation of Antimycobacterial and DNA Gyrase Inhibition of Fluoroquinolone Derivatives	J. Gen. App. Microbiol	52	195-200

#### Other Publications:

S.No.	Author (s)	Particulars
1.	D. Sriram and P. Yogeewari	Medicinal Chemistry, Pearson Education Singapore Ltd., New Delhi
2.	R.N.Saha, Murali Raman	Theoretical Modeling of Activity and Pharmacokinetics of Benzofurans, In: Mathematical Modeling - Application, Issues and Analysis, Editors: Mishra BK and Satpathi DK, Ane Books, New Delhi
3.	S.P.Gupta	QSAR Studies on Calcium Channel Blockers. In: Topics in Heterocyclic Chemistry, Vol 4: QSAR and Molecular Modeling Studies in Heterocyclic Drugs II, Series Editor: R.R Gupta, Volume Editor: S.P.Gupta, Springer-Verlag Berlin Heidelberg, Germany

S.No.	Author (s)	Particulars
4.	Punnarao R., Sajeev Chandran	Application of Polynomial & Composite Methods to Optimize the Design & Development of Controlled Release Oral Drug Delivery System. In: Mathematical Modeling- Application Issues & Analysis, Editors: Mishra BK and Satpathi DK, Ane Books, New Delhi

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#### Journal Publications:

S.No.	Author(s)	Title of the Publication	Particulars
1.	D. Sriram, P. Yogeewari and K. Madhu	Synthesis and In-Vitro Antimycobacterial Activity of some Isonicotinoyl Hydrazones	Bioorganic Medicinal Chemistry Lett., Vol.15, pp.4502-4505, 2005
2.	D. Sriram, P. Yogeewari, A.N. Nagappa	Combinatorial Synthesis of Anti-HIV-1 Agents	Combinatorial Chemistry & High Throughput Screening, Vol. 8, pp. 377-385, 2005
3.	D. Sriram, P. Yogeewari, G. Gopal	Synthesis, anti-HIV and antitubercular activities of lamivudine prodrugs	European Journal of Medicinal Chemistry, Vol.40, pp. 1373-1376, 2005
4.	D. Sriram, P. Yogeewari, J.S. Basha, D. R. Radha, V. Nagaraja	Synthesis and Antimycobacterial Evaluation of Various 7- Substituted Ciprofloxacin Derivatives	Bioorganic Medicinal Chemistry, Vol. 13, pp. 5774-5778, 2005
5.	D. Sriram, P. Yogeewari, N. Srichakravarthy, T. R. Bal	Synthesis of Zidovudine Prodrugs with Broad-Spectrum Chemotherapeutic Properties for the Effective Treatment of HIV/AIDS	Biomedicine & Pharmacotherapy, Vol. 59, pp.452-455, 2005
6.	D. Sriram, P. Yogeewari, N. Srichakravarthy, T. R. Bal	Nevirapine Derivatives with Broad Spectrum Chemotherapeutic Properties for the Effective Treatment of HIV / AIDS	Biomedicine & Pharmacotherapy, Vol. 59, pp. 456-459, 2005
7.	D. Sriram, P. Yogeewari, R. Thirumurugan, T. R. Bal	Camptothecin and its Analogues: A Review on their Chemotherapeutic Potential	Natural Product Research, Vol. 19, pp. 393-412, 2005

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8.	D. Sriram, P. Yogeewari, T.G.A. Kumar	Microwave-Assisted Synthesis, Anti-HIV Activity of 2, 3-Diaryl-1, 3-Thiazolidin-4-Ones	Indian Journal of Pharmaceutical Sciences, Vol.67, pp. 499-502, 2005
9.	D. Sriram, P. Yogeewari, T.G.A. Kumar	Microwave Assisted Synthesis, Anti-HIV, and Anti-YFV Activities of Schiff Bases of N-Hydroxy-N <sup>1</sup> -Aminoguanidine Tosylate	Indian Journal of Pharmaceutical Sciences, Vol.67, pp. 493-496, 2005
10.	D. Sriram, P. Yogeewari, T.G.A. Kumar	Microwave-Assisted Synthesis, and Anti-YFV Activity of 2, 3-Diaryl-1, 3-Thiazolidin-4-Ones	J. Pharm. Pharm. Sci., Vol. 8, pp. 429-466, 2005
11.	D. Sriram, T.R. Bal, P. Yogeewari	Aminopyrimidinimino isatin analogues: Design of novel non-nucleoside HIV-1 reverse transcriptase inhibitors with broad-spectrum chemotherapeutic properties	J. Pharm. Pharm. Sci., Vol. 8, pp. 565-577, 2005
12.	D. Sriram, T.R. Bal, P. Yogeewari	Newer Aminopyrimidinimino Isatin Analogues as Non-Nucleoside HIV-1 Reverse Transcriptase Inhibitors for HIV and other Opportunistic Infections of AIDS: Design, Synthesis and Biological Evaluation	IL Farmaco, Vol. 60, pp. 377-384, 2005
13.	D. Sriram, T.R. Bal, P. Yogeewari	Aminopyrimidinimino Isatin Analogues: Design and Synthesis of Novel Non- Nucleoside HIV-1 Reverse Transcriptase Inhibitors with Broad-Spectrum Anti-Microbial Properties	Medicinal Chemistry, Vol.49, pp.277-285, 2005
14.	P. Yogeewari, D. Sriram	Betulinic Acid and its Derivatives: A Review on their Biological Properties	Current Medicinal Chemistry, Vol. 12, pp.763-771, 2005
15.	P. Yogeewari, D. Sriram, J.V. Raghavendran, R. Thirumurugan	The GABA Shunt: An Attractive and Potential Therapeutic Target in the Treatment of Epileptic Disorders	Current Drug Metabolism, Vol. 6, pp.127-140, 2005
16.	P. Yogeewari, D. Sriram, R. Kavya, S. Tiwari	Synthesis and in-vitro cytotoxicity evaluation of gatifloxacin Mannich bases	Biomedicine Pharmacotherapy, Vol.59, pp.501-510, 2005

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17.	P. Yogeewari, D. Sriram, R. Thirumurugan, J.V. Raghavendran, K. Sudhan, R Kumar, J. Stables	Discovery of N-(2,6-Dimethylphenyl) Substituted Semicarbazones as Anticonvulsants: Hybrid Pharmacophore-Based Design	Journal of Medicinal Chemistry, Vol.48, pp.6202-6211, 2005
18.	P. Yogeewari, D. Sriram, S. Mehta, D. Nigam, M.M. Kumar, S. Murugesan, J.P. Stables	Synthesis of Novel Aryl semicarbazones as Potential Anticonvulsant Agents	Biomedicine & Pharmacotherapy, Vol.59, pp.51-55, 2005
19.	P L. Kole, H. R. Jadhav, P. A. Thakurdesai, Anantha N.	Nagappa Cosmetics: Potential of Herbal Extracts	Natural Product Radiance, Vol. 4, pp. 315-332, 2005
20.	R. P. Pareek , R Gupta	Effective Implementation and Management of DOTS using GIS – A Study at Jhunjhunu District	Journal of Association of Physicians of India, Vol. 53, pp 248-248, 2005.
21.	S. P. Gupta, S. Kumaran	QSAR Studies on MMP Inhibitors: Bicyclic Heteroaryl Hydroxamic	Lett. Drug Des. Discov., Vol. 2, pp522-58, 2005
22.	S. P. Gupta, S. Kumaran	A QSAR Study on Some Anthranilic Bioorg. Acid-Based MMP Inhibitors	Med. Chem., Vol.13, pp 5454-62, 2005
23.	S. P. Gupta and S. Kumaran	A Quantitative Structure-Activity Relationship Study on some Aromatic/Heterocyclic Sulfonamides and their Charged Derivatives Acting as Carbonic Anhydrase Inhibitors	J. Enzyme Inhibn. Med. Chem., Vol.20, pp.251-260, 2005
24.	S. P. Gupta, Anitha Paleti, S. B. Mekapati A. N. Nagappa, S. Kumaran	A QSAR Study on Some Na <sup>+</sup> and K <sup>+</sup> Channel Blockers: Role of Molecular Connectivity Index	Lett. Drug Des. Discov., Vol. 2, pp. 287-290, 2005

<b>S.No.</b>	<b>Author(s)</b>	<b>Title of the Publication</b>	<b>Particulars</b>
25.	S. Chandran, A. Roy, L. Jain,	Implications of New Patent Regime on Indian Pharmaceutical Industry: Challenges and Opportunities	Journal of Intellectual Property Rights, 10, pp.269-280, 2005
26.	S. Chandran, A. Roy, A Chakraborti, R. N. Saha	NSAIDs in ocular Inflammatory Disorders;	Indian Journal of Pharmaceutical Education, Vol.39, pp. 125-129, 2005
27.	S. Chandran, A. Roy, R. N. Saha	Flurbiprofen: A drug review	Indian Journal of Pharmaceutical Education, 39, pp.21-26, 2005
28.	T.R. Bal, B. Anand, P. Yogeewari, D. Sriram	Synthesis and Evaluation of Anti-HIV Activity of Isatin $\beta$ -Thiosemicarbazone Derivatives	Bioorg. Med. Chem. Lett., Vol.15, pp.4451-4455, 2005

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##### Journal Publications:

<b>S.No.</b>	<b>Author(s)</b>	<b>Title of the Publication</b>	<b>Particulars</b>
1	A N Nagappa	Role of Surface Activity in Biological Actions of Ranitidine and Famotidine	Colloids and Surfaces; Biointerfaces, Vol. 35, pp. 243 - 248, 2004
2	A N Nagappa, Prashant L Kole	Transport Across Liquid Membrane Containing Retinoids [Vitamin A]	Journal of Colloid and Interface Science, Vol. 271, pp. 416 - 418, 2004
3	A N Nagappa, Prashant L Kole	Effect of Ciprofloxacin and Norfloxacin Liquid Membranes on Transport of Essential Nutrients	Indian Journal of Biochemistry and Biophysics, Vol. 41, pp. 48 - 52, 2004
4	D Sriram, P Yogeewari	Synthesis of Stavudine Amino Acid Ester Prodrugs with Broad Spectrum Chemotherapeutic Properties for the Effective Treatment of HIV/AIDS	Bioorganic Medicinal Chemistry Letters, Vol. 14, pp. 1085 - 1087, 2004

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5	D Sriram, P Yogeewari	Synthesis of Tetrahydro-2H-[1,3,5]Thiadiazine-5-(4-Pyridylcarboxamido)-2-Thione with Antitubercular Activity	Scientia Pharmaceutica, Vol. 75, pp. 35 - 41, 2004
6	D Sriram, P Yogeewari	Design, Synthesis and Biological Evaluation of Novel Nrtis with Broad Spectrum Chemotherapeutic Properties	Bioorganic Medicinal Chemistry, Vol. 12, pp. 5865 - 5873, 2004
7	D Sriram, P Yogeewari	Antituberculous Activity of some Aryl Semicarbazones	Bioorganic Medicinal Chemistry Letters, Vol. 15, pp. 3923 - 3924, 2004
8	D Sriram, V S Rao, KVG Chandrashekhar, P Yogeewari	Progress in the Research of Artemisinin and its analogues as antimalarials: An Update	Natural Product Research, Vol. 18(6), pp. 503 – 527, 2004
9	P Yogeewari, D Sriram	Ion Channels as Important Targets for Antiepileptic Drug Design	Current Drug Targets, Vol. 5, pp. 589 - 602, 2004
10	P Yogeewari, D Sriram	3-Chloro, 2-Methylphenyl-Substituted Semicarbazones: Synthesis and Anticonvulsant Activity	European Journal of Medicinal Chemistry, Vol. 39, pp. 729 - 734, 2004
11	P Yogeewari, D Sriram	4-Sulphamoyl Phenyl Semicarbazones with Anticonvulsant Activity	IL Farmaco, Vol. 59, pp. 609 - 613, 2004
12	Prasad Arivind Thakurdesai, Prashant L Kole, R P Pareek	An Evaluation of the Quality and Contents of Diabetes Mellitus Patient Education on Internet	Patient Education and Counseling, Vol. 53, pp. 251 - 255, 2004
13	Praveen S Hiremath, R N Saha	Design and Study of Rifampicin Oral Controlled Release Formulations	Drug Delivery, Vol. 11(5), pp. 311 - 317, 2004
14	R Mahesh, Venkatesha Perumal R	Microwave-Induced Mannich Reaction – Synthesis of Some Mannich Derivatives of P-Aminophenol	Indian Journal of Chemistry, Vol. 43B, pp. 1012 - 1014, 2004

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15	R Mahesh, Venkatesha Perumal R, Vijaya Pandi P	Pharmacophore based Synthesis of 3- Chloroquinoxaline-2- Carboxamides as Serotonin <sub>3</sub> (5-HT <sub>3</sub> ) Receptor Antagonist	Biological and Pharmaceutical Bulletin, Vol. 29(9), pp. 1403 - 1405, 2004
16	R Mahesh, Venkatesha Perumal R, Vijaya Pandi P	Microwave Assisted Synthesis of 2-(4-Substituted Piperazin-1- Yl)-1,8-Naphthyridine-3- Carbonitrile as A New Class of Serotonin 5-HT <sub>3</sub> Receptor Antagonists	Bioorganic and Medicinal Chemistry Letters, Vol. 14(20), pp. 5179 - 5181, 2004

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1.	A N Nagappa, Prasad Arvind Thakurdesai, N. Venkat Rao, et al.	Antidiabetic Activity of <i>Terminalia catappa</i> Linn Fruits	Journal of Ethnopharmacology, Vol. 88, pp. 45 - 50, 2003
2.	A N Nagappa, Prashant L Kole, P V Pandi, , et al.	Role of Liquid Membrane Phenomenon in the Biological Actions of Beta Blockers	Journal of Membrane Science, Vol. 211, pp. 356 - 439, 2003
3.	A N Nagappa, P L Kole, Yogendra Kumar, et al.	Role of Surface Activity in Mechanism of Actions of Tricyclic Anti-Depressants	Colloids and Surfaces B: Biointerfaces, Vol. 32, pp. 169 - 177, 2003
4.	D Sriram, P Yogeeswari	Towards the Design and Development of Agents with Broad Spectrum Chemotherapeutic Properties for the Effective Treatment of HIV / AIDS	Current Medicinal Chemistry, Vol. 10, pp. 1909 - 1915, 2003
5.	P Yogeeswari, D Sriram, V. Saraswat, et al.	Synthesis and Anticonvulsant and Neurotoxicity Evaluation of N <sub>4</sub> -Phthalimido Phenyl (Thio) Semicarbazides	European Journal of Pharmaceutical Sciences, Vol. 20, pp. 341 - 346, 2003

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6.	Sajeev Chandran, Archana Roy, Vinay G, Sobti A, R N Saha	Formulation and Evaluation of Parenteral Sustained Release Microspheres of Diclofenac Sodium	Scientia Pharmaceutica (Sci. Pharm.), Vol. 71, pp. 101 – 111, 2003
7.	S P Gupta, A N Nagappa	Design and Development of Integrase Inhibitors as Anti-HIV Drugs	Current Medicinal Chemistry, Vol. 10(18), pp. 1779 - 1794, 2003
8.	S P Gupta, Anoop N Mathur, A N Nagappa, Dalip Kumar, S Kumaran	A Quantitative Structure-Activity Relationship on A Novel Class of Calcium Entry Blockers: 1-[[4-(Aminoalkoxyphenyl)]Sulfonyl] Indolizines	European Journal of Medicinal Chemistry, Vol. 28, pp. 867 - 873, 2003
9.	S P Gupta, Dalip Kumar, S Kumaran	A Quantitative Structure-Activity Relationship Study of Hydroxamate Matrix Metalloproteinase Inhibitors Derived from Functionalized 4-Aminoprolines	Bioorganic and Medicinal Chemistry, Vol. 11, pp. 1975 - 1981, 2003
10.	S P Gupta, S Kumaran	A Quantitative Structure-Activity Relationship Study on Clostridium Histolyticum Collagenase Inhibitors: Roles of Electrotopological State Indices	Bioorganic and Medicinal Chemistry, Vol. 11, pp. 3065 - 3071, 2003

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1.	R.N. Saha, C. Sajeev, K. Padma Priya, C. Sreekhar, G. Shashikanth	Solubility enhancement of Nimesulide and Ibuprofen by solid dispersion-technique	Indian Journal of Pharm. Sciences, 64(6), 2002, pp. 529-534.

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2.	R.N. Saha, C. Sajeev, P.R. Jadhav, S.P. Patil, N. Srinivasan	Determination of Celecoxib in pharmaceutical formulation using UV spectrophotometry and liquid chromatography	Journal of Pharmaceutical and Biomedical Analysis, 28, 2002, pp. 741-751.
3.	R.N. Saha, C. Sajeev, G. Vinay, Archana, R.	Oral controlled release formulation of Diclofenac Sodium by micro encapsulation with ethyl cellulose	J. Microencapsulation; Vol. 19, No. 6, Nov-Dec 2002, pp. 753-760.
4.	R.N. Saha, C. Sajeev, P.R. Jadhav, D. Ravishankar	Determination of flurbiprofen in pharmaceutical formulations by uv spectrophotometry and liquid chromatography	Analytical Chimica Acta, 463, 2002, pp. 207-217.
5.	D Sriram, P Yogeewari, S N Pandeya, et al.	Antituberculous Activity of Isatin Derivatives	Scientia Pharmaceutica, Vol. 70, pp. 73 - 79, 2002
6.	P Yogeewari, D Sriram, L R J Suniljit, et al.	Anticonvulsant and Neurotoxicity Evaluation of Some 6-Chlorobenzothiazolyl-2-Thiosemicarbazones	European Journal of Medicinal Chemistry, Vol. 37, pp. 231 - 236, 2002
7.	S N Pandeya, P Yogeewari, D Sriram, et al.	Antibacterial and Antifungal Activities of N-Mannich Bases of 3-[N2-Pyrimethaminylimino] Isatin	Indian Journal of Pharmaceutical Sciences, Vol. 64, pp. 209 - 212, 2002
8.	S N Pandeya, P Yogeewari, E A Sausville, et al.	Synthesis and Antitumour Evaluation of 4-Bromophenyl Semicarbazones	Arzenim. Forschung / Drug Research, Vol. 52, pp. 103 - 108, 2002