

Prof. B.K. Sarojini (Coordinator)



=====

EDUCATION:

Ph.D. Chemistry, Mangalore University, Mangalore, India (2001)

M.Sc., Chemistry, I Class, Mangalore University, Mangalore, India. (1986)

RESEARCH AREA:

Synthesis and structural Chemistry, Medicinal Chemistry, Photonics.

RESEARCH GUIDANCE:

(i) Recognized guide under VTU

Ph.D awarded : 4

Working for Ph.D : 4

(i) Recognized guide under Mangalore University in Industrial Chemistry

Working for Ph. D : 4

NO. OF RESEARCH PUBLICATIONS: 296 International+6 National= 302

NO. OF PAPERS PRESENTED AT CONFERENCES: 74 [39 International and 35 National]

INVITED LECTURES:

1. St Agnes College Mangalore - Aug.2014
2. Canara College Mangalore, Feb. 2013
3. VVIET, Mysore, Oct. 2011
4. Institute of Engineers India, Mangalore (IEI) Aug.2011.
5. 29th Annual conference of Indian Council of Chemists(ICC)Dec -2010.
6. Institute of Chemistry Taipei Taiwan- Dec.2007
7. Sridevi Institute of Technology- Oct 2008
8. Manipal College of Pharmaceutical Sciences. Manipal University –Oct.2008.
9. St. Agnes College Mangalore - Nov.2008
10. RVCE Bangalore - June 2008

PROFESSIONAL AFFILIATIONS:

- 1 Life member of **Indian Liquid Crystal Society** [ILCS] (No.L-218)
- 2 Life member of **Indian Council of Chemists** [ICC] (No.LF-913)
- 3 Life member of **Indian Society for Technical Education** ISTE(No. LM- 42083)
- 4 Member of **The International Society for optical Engineering** [SPIE] (No. 3004552)
- 5 Life member of **The Indian Science Congress Association** [ISCA] (No. - 10793)
- 6 Life member of **The Electrochemical society of India** [ECSI] (No. – 127)
- 7 Life member **Swadeshi Vijnana Aandolana** –Karnataka -2009
- 8 Life member of **Indian Society for Radiation and Photochemistry**-2010 (LM- 407)
- 9 Life member of **Indian women Scientist Association-2012**.

AWARDS AND RECOGNITIONS:

1. **h- index-21 Google Scholar; Scopus: 19**
2. **Invitation from Institute of Chemistry, Academia Sinica, Taiwan- Visiting Scientist- Jan.2008.**
3. **“Career Award for young Teachers” (CAYT) award by All India Council for Technical Education (AICTE) for the year 2003.**
4. **Mentors/Resource persons for Summer/Winter Camps and other INSPIRE initiatives-DST Govt. of India- No.2053.**
5. **Listed as *one of the Top 20 Most productive authors of India* in Biochemistry, Genetics and Molecular Biology during 1998-2007, DESIDOC, Journal of Library & Information Technology, Vol. 30, No. 1, January 2010, pp. 3-14, 2010, DESIDOC**
6. **Doctoral committee member- VIT University ,Vellore**
7. **Visiting Scientist : Universiti Malaysia Pehang, Malaysia July- Aug, 2013.**
8. **API Score: Above 1200 +**
9. **Total No. of Citations: 2208+**
10. **Listed as one of the top Five researchers of the country in Material Science Category in a survey conducted by "Careers 360" magazine, based on the publication citations in the Scopus (Elsevier) for the period 2011-2013.**

Refereeing & Reviewing

1. **ARKIVOC EDITORIAL BOARD OF REFEREE (2011) – A SYNTHETIC ORGANIC CHEMISTRY JOURNAL**
2. **European Journal of Medicinal Chemistry [Elsevier]**
3. **Medicinal Chemistry Research [Springer] etc.**

GOVT. OF INDIA FUNDED RESEARCH PROJECTS: 6Nos.

SI No	Title	Position	Granting Body	Amount	Status
1.	Studies on NLO and Liquid crystalline properties of some substituted chalcones and related compounds	PI	[CAYT] AICTE [Grant No.1-51/FD/CA/003/2003-04]	Rs.10.5 lakhs	2003 -07
2.	Physicochemical characteristics of water in Kaiga area	Co-PI	Nuclear Power Corporation of India [Grant No. NPICL/AD (RSA)/2007/M]- Co-PI	Rs.10.92 Lakhs	2007- 10
3	<i>In vitro</i> studies on radioprotective effect of chalcone and its derivatives from synthetic and natural origin in bacteria	PI	Board of Research in Nuclear Sciences - [Grant No.2008/34/05-BRNS/457]	Rs.11.81Lakhs	2008 -11
4.	Isolation, purification,	PI.	Ministry of Earth Sciences	Rs. 30.17 Lakhs	2009-12

	characterization of trypsin from fish visceral wastes of fish processing Industries		[MoES] [Grant No. MoES/11-MRDF/1/63/P/08]		
5.	Studies on radioprotective effect of phytochemicals of <i>Anisomeles indica Kuntze</i>	Co-PI	Board of Research in Nuclear Sciences (BRNS) [No.2009/34/27/BRNS/1995]	Rs.17.379 Lakhs	2009-12
6	Studies on radioprotective efficacy of pyrazole and pyrimidine derivatives using drosophila model system	PI	Board of Research in Nuclear Sciences (BRNS) [No.2011/34/27/BRNS/0846]	Rs.13.94 Lakhs	2011-14
7.	In vitro studies of chemotherapeutic drug sensitivity on acquired radio resistant breast cancer cells.	Co PI	Board of Research in Nuclear Sciences	Rs.13.96 Lakhs	2012-2014 (Ongoing)
8.	Radio-protective evaluation of Omega-3-fatty acid on reproductive fitness profile in mice model	Co-PI	Board of Research in Nuclear Sciences (BRNS) [No.2013/34/9/BRNS/1912]	Rs. 9.51Lakhs	2013-2017 (Ongoing)
9.	Evaluation of cytotoxicity and radiosensitizing efficacy of novel sulfonamide/nitro group containing imidathiazole derivatives for synergetic anticancer activity	PI	Board of Research in Nuclear Sciences (BRNS) [No.2014/34/27/BRNS/1997]	Rs. 13.135 Lakhs	2015-2018 (Ongoing)

Total: Rs 1.31 Crore

SI No	Title	Position	Granting Body	Amount	Status
1	Pyrazoline derivatives doped DNA-CTMA thin films as nano structured BIOLEDS: Synthesis and characterization	Foreign Collaborator	Govt. of Malaysia	60,000 Ringgits	2013-17

OTHER INTERESTS: Trustee- MANGALA SEVA TRUST [Regd.] KONAJE-
Mangalore
Columnist- 'Prajavani' Kannada daily
Public Speaking

Details of Foreign Visit of Dr.B.K.Sarojini

1.USA : SPIE International Symposium on Optics & Photonics 2005, 31-July-4 August 2005. San Diego CA, USA

Paper presented

BK Sarojini, B Narayana, J Indira, KG Lobo, 'Growth Characterization and NLO Property of 6-Methoxy-2-naphthaldehyde' Operational characteristics and Crystal Growth of NLO materials III, Part of the SPIE International Symposium on Optics & Photonics 2005, 31-July-4 August 2005. San Diego CA, USA. Abstr.No.5935-35

2. UK: Accompanied Husband as a spouse under commonwealth fellowship. April -Sep 2000 : Visited University of Strathclyde, Glasgow Scotland U.K.

3.Taiwan: Visiting Scientist on **Invitation from Institute of Chemistry, Academia Sinica, Taiwan - Jan.2008.**

4.Singapore: Singapore international Chemistry Conference SICC-5/APCE-7 held on 17-19th Dec.2007 at Singapore International Convention Exhibition Centre, Singapore. Symposium

paper presented

BK Sarojini, B Narayana, J Indira, HS Yathirajan. 'Microwave Assisted Synthesis of New NLO Material – (2E)-3-(biphenyl-4-yl)-1-(4-methoxyphenyl)-prop-2-en-1-one. 4:69.

5. Malaysia

Visiting Scientist July-August 2013

Faculty of Industrial Science and Technology Universiti Malaysia, Pahang .

LIST OF PUBLICATIONS

2015

- BK Sarojini**, HS Yathirajan, EC Hosten, R Betz, C Glidewell (2015): Ethyl (4-benzyl-oxyphenyl)-6-methyl-2-sulfanylidene-1,2,3,4-tetrahydropyrimidine-5-carboxylate and a redetermination of ethyl (4RS)-4-(4-methoxyphenyl)-6-methyl-2-sulfanylidene-1,2,3,4-tetrahydropyrimidine-5-carboxylate, as its 0.105-hydrate, both at 200 K: subtly different hydrogen-bonded ribbons, Acta Cryst. (2015). C71, 59-64 [doi:10.1107/S2053229614026758]
- YS Mary, CY Panicker, M Sapnakumari, B Narayana, **BK Sarojini**, AA. Al-Saadi, C Van Alsenoy, J Ahmad War (2015): FT-IR, NBO, HOMO-LUMO, MEP analysis and molecular docking study of 1-[3-(4-Fluorophenyl)-5-phenyl-4,5-dihydro-1H-pyrazol-1-yl]ethanone, Spectrochim. Acta A. 136 (B) 2015, 483–493.
- YS Mary, CY Panicker, M Sapnakumari, B Narayana, **BK Sarojini**, AA. Al-Saadi, CVan Alsenoy, JA War, HK Fun (2015): Molecular structure, FT-IR, Vibrational assignments, HOMO-LUMO analysis and molecular docking study of 1-[5-(4-Bromophenyl)-3-(4-fluorophenyl)-4,5-dihydro-1H-pyrazol-1-yl]ethanone, Spectrochim. Acta A. 136 (B), 473–482.
- J Lukose, CY Panicker, PS Nayak, B Narayana, **BK Sarojini**, CV Alsenoy, AA. Al-Saadi (2015): Synthesis, structural and vibrational investigation on 2-Phenyl-N-(pyrazin-2-yl)acetamide combining XRD diffraction, FT-IR and NMR spectroscopies with DFT calculations, Spectrochim. Acta A. 135, (2015) 608-616.
- KG Vipin Das, CY Panicker, B Narayana, PS Nayak, **BK Sarojini**, AA. Al-Saadi (2015): FT-IR, molecular structure, first order hyperpolarizability, NBO analysis, HOMO and LUMO and MEP analysis of 1-(10H-Phenothiazin-2-yl)ethanone by HF and density functional methods, Spectrochim. Acta A. 135, 162-171.
- YS Mary, CY Panicker, PL. Anto, M Sapnakumari, B. Narayana, **B.K. Sarojini** (2015): Molecular structure, FT-IR, NBO, HOMO and LUMO, MEP and first order

- hyperpolarizability of (2*E*)-1-(2,4-Dichlorophenyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one by HF and density functional methods. Spectrochim. Acta A, 135, 81-92.
7. R Raju, CY Panicker, PS Nayak, B Narayana, **BK Sarojini**, C Van Alsenoy, Abdulaziz A. Al-Saadi (2015): FT-IR, molecular structure, first order hyperpolarizability, MEP, HOMO and LUMO analysis and NBO analysis of 4-[(3-acetylphenyl)amino]-2-methylidene-4-oxobutanoic acid, Spectrochim. Acta A, 134, 63-72.

2014

8. PS Nayak, B Narayana, **BK Sarojini**, Sana Sheik, KS Shashidhara, KR Chandrashekar (2014): Design, synthesis, molecular docking and biological evaluation of imides, pyridazines derived from itaconic anhydride for potential antioxidant and antimicrobial activities. J. Taibah Univ. Sci. (Accepted, article no. JTUSCI103).
9. S Pandey, A Dwivedi, AK Srivastava, N Misra, **BK Sarojini**, BJ Mohan, B Narayana (2014): Structural, electronic, optical and vibrational properties of 1-(5-chloro-6-fluoro-1,3-benzothiazol-2-yl)hydrazine&1-(6-chloro-1,3-benzothiazol-2-yl)hydrazine-A quantum chemical study. Der Pharma Chemica, 6(5):70-79.
10. BG Krishna, **BK Sarojini**, K Umesha, CG Darshanraj (2014): Synthesis, characterization, molecular docking and evaluation of antimicrobial, antiproliferative, and anti-inflammatory properties of new 4-biphenyl substituted thiazolyl-pyridin-2-amine derivatives. Der Pharma Chemica, 6(4), 233-243.
11. BG Krishna, **BK Sarojini**, CG Darshanraj (2014): Synthesis, characterization, molecular docking and evaluation of antibacterial, antiproliferative, and anti-inflammatory properties of new pyridinyl substituted triazole derivatives. Der Pharma Chemica, 6(4), 345-361
12. Kamni, **BK Sarojini**, PS Manjula, B Narayana, S Anthal, R Kant (2014): Crystal structure of 4-[(*E*)-(4-chlorobenzylidene)amino]-3-(2-methylbenzyl)-1*H*-1,2,4-triazole-5(4*H*)-thione. Acta Cryst. E70, o1015-o1016.
13. A. Najiya, C. Yohannan Panicker, M. Sapanakumari, B. Narayana, **B.K. Sarojini**, C Van Alsenoy (2014): Molecular structure, FT-IR, first order hyperpolarizability, NBO analysis, HOMO and LUMO, MEP analysis of (*E*)-3-(4-chlorophenyl)-1-(4-fluorophenyl)prop-2-en-1-one by HF and density functional methods. Spectrochim. Acta A, 133, 526-533.
14. B Narayana, VV Salian, **BK Sarojini**, JP Jasinski (2014): (2*E*)-1-(4-Chlorophenyl)-3-[4-(propan-2-yl)phenyl]prop-2-en-1-one, Acta Cryst., E70, o855.
15. Y Sheena Mary, CY Panicker, B Narayana, S Samshuddin, **BK Sarojini**, C Van Alsenoy (2014): FT-IR, molecular structure, HOMO-LUMO, MEP, NBO analysis and first order hyperpolarizability of Methyl 4,4''-difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-carboxylate, Spectrochim. Acta A, 133, 480-488.
16. PS Nayak, B Narayana, BK Sarojini, J Fernandes, Akshatha (2014): Design, Synthesis and Biological Evaluation of 2-(4-Phenylpiperazin-1-yl)-*N*-(pyrazin-2-yl)acetamide as DPPH Scavenging, Analgesic and Anti-inflammatory Agent, J. Single Mol. Res., 2(2), 20-26.
17. B Narayana, VV Salian, BK Sarojini, JP Jasinski (2014): 1-{3-(4-Chlorophenyl)-5-[4-(propan-2-yl)phenyl]-4,5-dihydro-1*H*-pyrazol-1-yl}propan-1-one, Acta Cryst., E70, o763-o764.
18. B Narayana, PS Nayak, BK Sarojini, JP Jasinski (2014): 4-[(4-Acetylphenyl)amino]-2-methylidene-4-oxobutanoic acid, Acta Cryst. E70, o752-o753.
19. B Narayana, P. S. Nayak, B. K. Sarojini and J. P. Jasinski (2014): 4-[(4-Bromophenyl)amino]-2-methylidene-4-oxobutanoic acid, Acta Cryst. E70, o779-o780.

20. B. Narayana, V. V. Salian, B. K. Sarojini and J. P. Jasinski, (2014): 1-{3-(4-Chlorophenyl)-5-[4-(propan-2-yl)phenyl]-4,5-dihydro-1H-pyrazol-1-yl}butan-1-one, Acta Cryst. E70, o761- o762.
21. B Narayana, VV Salian, B K Sarojini, JP Jasinski (2014): 1-{3-(4-Chlorophenyl)-5-[4-(propan-2-yl)phenyl]-4,5-dihydro-1H-pyrazol-1-yl}ethanone, Acta Cryst. E70, o781.
22. B Narayana, PS Nayak, BK Sarojini, JP Jasinski(2014): 2-(2-Methylphenyl)-N-(1,3-thiazol-2-yl)acetamide, Acta Cryst. E70, o716.
23. **BK Sarojini**, PS Manjula, B Narayana, JP Jasinski (2014): 4-[(E)-(4-Hydroxybenzylidene)amino]-3-methyl-1H-1,2,4-triazole-5(4H)-thione, Acta Cryst. E70, o733-o734.
24. B Narayana, M Sapnakumari, **BK Sarojini**, JP Jasinski (2014): 3-(4-Fluorobenzoyl)-4-(4-fluorophenyl)-4-hydroxy-2,6-diphenylcyclohexane-1,1-dicarbonitrile, Acta Cryst. E70, o736-o737.
25. AK Srivastava, AK Pandey, S Pandey, PS Nayak, B Narayana, **BK Sarojini**, N Mishra (2014): Uniform versus non-uniform scaling of normal modes predicted by ab initio calculations: A test on 2-(2,6-Dichlorophenyl)-N-(1,3-thiazol-2yl) acetamide, Int. J. Spect., 2014(2014), Article ID 649268, 7 pages;<http://dx.doi.org/10.1155/2014/649268>
26. AK Srivastava, B Narayana, **BK Sarojini**, N Misra (2014): Vibrational, structural and hydrogen bonding analysis of N'-[(E)-4-hydroxybenzylidene]-2-(naphthalen-2-yl)oxy) acetohydrazide: combined density functional and atoms-in-molecule based theoretical studies Indian J. Phys., 88(6),547-556.
27. PS Nayak, B Narayana, **BK Sarojini**, K Hegde, KS Shashidhara (2014): Design and synthesis of novel heterocyclic acetamide derivatives for potential analgesic, anti-inflammatory and antimicrobial activities, Med. Chem. Res., 23(9), 4280-4294.
28. M Sapnakumari, B Narayana, **BK Sarojini** (2014): Synthesis of new indazole derivatives as potential antioxidant agents, Med. Chem. Res., 23(5), 2368-2376.
29. L Kamath, KB Manjunath, S Shettigar, G Umesh, B Narayana, S Samshuddin, **B K Sarojini** (2014): Investigation of third-order nonlinear and optical power limiting properties of terphenyl derivatives, Opt. Laser Technol., 56, 425-429.
30. AS Praveen, HS Yathirajan, B Narayana, **BK Sarojini** (2014): Synthesis, characterization and antimicrobial studies of a few novel thiazole derivatives, Med. Chem. Res., 23(1)259-268, DOI 10.1007/s00044-013-0629-x.
31. PS Nayak, B Narayana, **BK Sarojini** (2014): Synthesis, characterization and *in vitro* biological evaluation of 4-[(1,5-dimethyl-3-oxo-2-phenyl-2,3-dihydro-1H-pyrazol-4-yl)amino]-2-methylidene-4-oxobutanoic acid. **Indo Am. J. Pharm. Res., 4(04), 1881-1888.**

2013

32. M Sapnakumari, B Narayana, **BK Sarojini** (2013): Synthesis of new indazole derivatives as potential antioxidant agents, Med. Chem. Res. 23, 5; 2368-2376.
33. R Sharma, M Sapnakumari, B Narayana, **BK Sarojini**, VK Gupta, R Kant, Synthesis, characterization and crystal structure of 3'-[(4-fluorophenyl)carbonyl]-5'-(cydroxymethyl)-4'-phenylspiro[indole-3,2'-pyrrolidin]-2(1H)-One. Eur. Chem. Bull., **2013**, 3(2), 183-186.
34. BJ Mohan, BK Sarojini, B Narayana, G Sanjeev (2013): Radioprotective effect of an edaravone analogue 3-methyl-1-(4-(trifluoromethyl)phenyl)-1,2-dihydropyrazol-5-one, Indo American J. Pharm. Res., 1650-1659.
35. CG Darshan Raj, **BK Sarojini**, MTH Khan, R Raghavendra (2013): In vivo antidiabetic activity and in silico studies on adenosine monophosphate-activated protein kinase

(AMPK) of (2E,5E)-2,5- bis(4-hydroxy-3-methoxybenzylidene) cyclopentanone, Med.Chem. Res. 22: 2430–2436.

36. CG Darshan Raj, **BK Sarojini**, S Hegde, S Sreenivasa,YS Ravikumar,V Bhanuprakash, Y Revanaiah, R Ragavendra (2013): In vitro biological activities of new heterocyclic chalcone derivatives, Med Chem Res., 22, 2079–2087.
37. K Umesh, **B K Sarojini**, C G Darshan Raj,V Bhanuprakash, R Yogisharadhya, R Raghavendra, MTH Khan (2013): In vitro and in silico biological studies of novel thiazolo[3,2-a]pyrimidine-6-carboxylate derivatives, Med Chem Res., 23 (1). 168-180. DOI 10.1007/s00044-013-0606-4.
38. S Samshuddin, B Narayana, **BK Sarojini**, LN Madhu(2013): A study on the reactions of alkyl 4,6-bis(4-fluorophenyl)-2-oxocyclohex-3-ene-1-carboxylate and in vitro antioxidant activity of derivatives, Med. Chem. Res. 22, 3002-3011.
39. **BK Sarojini**, PS Manjula, G Hegde, D Kour, S Anthal, VK Gupta , R Kant (2013): 4-Amino-3-(3-methoxybenzyl)-1H-1,2,4-triazole-5(4H)-thione.Acta Cryst., E69, o728.
40. **BK Sarojini**, PS Manjula, G Hegde, D Kour, VK Gupta , R Kant (2013): 3-Methyl-4-{{(E)-[4-(methylsulfanyl)benzylidene]amino}-1H-1,2,4-triazole-5(4H)-thione. Acta Cryst. E69, o718-o719.
41. **BK Sarojini**, B Narayana, HS Yathirajan, T Gerber, B van Brecht , R Betz (2013) : 3-Chloro-4-fluoroanilinium picrate. Acta Cryst., 69, o240.
42. **BK Sarojini**, BJ Mohan, B Narayana, HS Yathirajan, JP Jasinski , RJ Butcher (2013): (Z)-4-[2-(2,4-Dimethylphenyl)hydrazinylidene]-3-methylpyrazol-5(1H)-one. Acta Cryst. E69, , o532.
43. S Praveen, HS Yathirajan, JP Jasinski, AC Keeley, B Narayana , **BK Sarojini** (2013): 2-(4-Bromophenyl)-N-(3,4-difluorophenyl)acetamide.Acta Cryst. E69, o900-o901.
44. TS Yamuna, HS Yathirajan, JP Jasinski, AC Keeley, B Narayana , **BK Sarojini**(2013): (2E)-1-(4-Chlorophenyl)-3-(4-nitrophenyl)prop-2-en-1-one.Acta Cryst. E69, o790-o791.
45. PS Nayak, B Narayana, JP Jasinski, HS Yathirajan , **BK Sarojini** (2013):2-(4-Bromophenyl)-N-(pyrazin-2-yl)acetamide,Acta Cryst., E69, o891.
46. R Kant, VK Gupta, K Kapoor, PS Nayak, **BK Sarojini**, B Narayana (2013): A second monoclinic polymorph of 4-[(E)-(4-benzyloxybenzylidene)amino]-1,5-dimethyl-2-phenyl-1H-pyrazol-3(2H)-one. Acta Cryst. E69, o115.
47. JP Jasinski, JP St. John, RJ Butcher, B Narayana, H S Yathirajan, **BK Sarojini**(2013):4-Hydroxy-N-methylbenzamide.Acta Cryst. E69, o738.
48. WS Loh, CK Quah, TS Chia, HK Fun, M Sapnakumari, B Narayana, **BK Sarojini**(2013): Synthesis and crystal structures of N-substituted pyrazolines.Molecules,18, 2386-2396.
49. M Sapnakumari, B Narayana, S Samshuddin, **BK Sarojini**(2013): 2'-[(4-Fluorophenyl)carbonyl]-1'-phenyl-1',2',5',6',7',7a'-hexahydrospiro[indole-3,3'-pyrrolizin]-2(1H)-one, *Molbank* 2013, M802.
50. **PS Nayak, B Narayana, S Samshuddin, BK Sarojini**(2013): 2-[[5-Diphenylmethyl)-1,3,4-oxadiazol-2-yl]sulfanyl]-N-(pyrazin-2-yl)acetamide, *Molbank*, 2013(2), M800.
51. CG Darshan Raj, **BK Sarojini**, ES Priya (2013):Protective efficacy of crude methanol extract of ashitaba green tea against radiation induced oxidative stress in E.coli K12 bacteria, Int. J. Natural Products Research 2(2): 39-43.
52. R Betz, T Gerber., E Hosten, S Samshuddin, B Narayana, **BK Sarojini** (2013): Crystal structure of (2E)-3-(4-benzyloxyphenyl)-1-(4,4''-difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)prop-2-en-1-one,Z. Kristallogr. NCS 228 144-146.

53. R Betz, T Gerber., E Hosten, S Samshuddin, B Narayana , **BK Sarojini (2013)**: Crystal structure of (2E)-3-(biphenyl-4-yl)-1-(4,4''-difluoro-5'-methoxy- 1,1':3',1''-terphenyl-4'-yl)prop-2-en-1-one, C₃₄H₂₄F₂O₂ Z. Kristallogr. NCS 228, 147-149.
54. **BK Sarojini**, B Narayana, HS Yathirajan, T Gerber, E Hosten, R Betz (2013): Redetermination of the crystal structure of N-acetyl glycine (2-acetamidoacetic acid), C₄H₇NO₃, Z. Kristallogr. NCS 228 xxx-xxx / DOI 10.1524/ncrs.2013.0125.

2012

55. SK Ajay, **BK Sarojini**, DSD Sumanjoshi, N Krisnaprasad(2012): Isolation, purification and biochemical characterization of trypsin from Indian mackerel (Rastralliger kanagurta), Journal of Aquatic Food Product Technology. DOI:10.1080/10498850.2013.777864.
56. CG Darshan Raj, BK Sarojini, MK Ramakrishna, SR Ramesh, H Manjunatha(2012): In vivo peritoneal antiangiogenesis and in vitro antiproliferative properties of some bischalcone derivatives, Med.Chem.Res, 21 (4), 453-458.
57. K Umesh, **BK Sarojini**, B Narayana(2012): 2-(4-Fluoro-3-nitrophenyl)-6-(4-methoxyphenyl)imidazo[2,1-b]-1,3,4-thiadiazole, Molbank 2012, M778; doi:10.3390/M778.
58. CG Darshan Raj, **BK Sarojini**, V Bhanuprakash, R Yogisharadhya, BE Kumara swamy (2012): Studies on radioprotective and antiviral activities of some bischalcone derivatives, Med. Chem Res, 21, 2671-267.
59. S Samshuddin, B Narayana, **BK Sarojini**, MTH Khan, HS Yathirajan, CG Darshanraj (2012): Antimicrobial, analgesic, DPPH scavenging activities and molecular docking study of some 1, 3, 5-triaryl-2-pyrazolines, Med. Chem. Res, 21 (8), 2012-2022.
60. HK Fun, TS Chia, M Sapnakumari, B Narayana, **BK Sarojini (2012)**: 5-(4-Bromophenyl)-3-(4-fluorophenyl)-1-phenyl-4, 5-dihydro-1H-pyrazole, Acta Cryst. E: 68 (9), o2680-o2680.
61. R Kant, VK Gupta, K Kapoor, S Samshuddin, B Narayana , **BK Sarojini (2012)**: N'- [(E)-4-Hydroxybenzylidene]-2-(naphthalen-2-yloxy)acetohydrazide, Acta Cryst E 68, o2923-o2924.
62. HK Fun, CK Quah, **BK Sarojini**, BJ Mohan, B Narayana (2012): 1-(6-Chloro-1, 3-benzothiazol-2-yl)-2-[1-(4-methoxyphenyl) ethylidene] hydrazine, Acta Cryst. E: 68 (9), o2682-o2682.
63. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini (2012)**: 2-(4-Bromophenyl)- N-(2, 6-dimethylphenyl) acetamide, Acta Cryst. E: 68 (9), o2678-o2678.
64. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini (2012)**: 2-(4-Chlorophenyl)-N-(1, 3-thiazol-2-yl) acetamide, Acta Cryst. E: 68 (9), o2679-o2679.
65. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini (2012)**: N-(1, 5-Dimethyl-3-oxo-2-phenyl-2, 3-dihydro-1H-pyrazol-4-yl)-2-[4-(methylsulfonyl) phenyl] acetamide, Acta Cryst. E: 68 (9), o2677-o2677.
66. HK Fun, A Farhadikoutenaie, B Narayana, PS Nayak, **BK Sarojini (2012)**: (2E)-3-(2-Fluorophenyl)-1-(4-fluorophenyl) prop-2-en-1-one Acta Cryst. E: 68 (9), o2658-o2658.
67. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini (2012)**: 2, 2-Diphenyl-N-(2, 4, 5-trichlorophenyl) acetamide, Acta Cryst. E: 68 (9), o2659-o2660.
68. HK Fun, WS Loh, M Sapnakumari, B Narayana, **BK Sarojini (2012)**: 1-[5-(4-Bromophenyl)-3-(4-fluorophenyl)-4, 5-dihydro-1H-pyrazol-1-yl] butan-1-one, Acta Cryst. E: 68 (9), o2655-o2656.

69. R Srinivasan, B Narayana, S Samshuddin, **BK Sarojini (2012)**:N-(3, 4-Dimethoxyphenyl)-4-oxo-2, 3, 7-triazaspiro [4.5] dec-1-ene-1-carboxamide Hydrochloride,Molbank (3), M769
70. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini** N-(2-Bromophenyl)-2-(naphthalen-1-yl) acetamide,Acta Cryst. E: 68 (9), **2012**, o2657-o2657
71. HK Fun, CW Ooi, M Sapnakumari, B Narayana, **BK Sarojini** 1-[3-(4-Fluorophenyl)-5-phenyl-4, 5-dihydro-1H-pyrazol-1-yl] ethanone,Acta Cryst. E: 68 (9), **2012**, o2634-o2634.
72. HK Fun, TS Chia, S Samshuddin, B Narayana, **BK Sarojini** N-(1, 3-Dioxo-2, 3-dihydro-1H-isoindol-2-yl)-4, 4''-difluoro-5'-hydroxy-1, 1': 3', 1''-terphenyl-4'-carboxamide,Acta Cryst. E: 68 (9), **2012**, o2619-o2620.
73. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini** 2-(2-Fluorophenyl)-N-(1, 3-thiazol-2-yl) acetamide, Acta Cryst. E: 68 (8), o2565-o2565.
74. HK Fun, WS Loh, M Sapnakumari, B Narayana, **BK Sarojini(2012)**: 1-[5-(4-Bromophenyl)-3-(4-fluorophenyl)-4, 5-dihydro-1H-pyrazol-1-yl] ethanone, Acta Cryst. E: 68 (8), o2586-o2586.
75. HK Fun, WS Loh, PS Nayak, B Narayana, **BK Sarojini(2012)**: N-(4-Chlorophenyl)- 2, 2-diphenylacetamide, Acta Cryst. E: 68 (8), o2556-o2557.
76. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini(2012)**: 2-(4-Bromophenyl)- N-(3-chloro-4-fluorophenyl) acetamide,Acta Cryst. E68 (8), o2558-o2558.
77. HK Fun, CW Ooi, PS Nayak, B Narayana, **BK Sarojini(2012)**: 2-(4-Bromophenyl)- N-(5-methylpyridin-2-yl) acetamide Acta Cryst. E68 (8), o2526-o2526.
78. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini(2012)**: N-(4-Chlorophenyl)-2-(naphthalen-1-yl) acetamide, Acta Cryst.E: 68 (8), o2463-o2463.
79. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini(2012)**: 2-(Naphthalen-1-yl)-N-(1, 3-thiazol-2-yl) acetamide, Acta Cryst. E68 (8), o2464-o2464.
80. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini(2012)**:1-(2, 4-Difluorophenyl) thiourea,Acta Cryst. E68 (8), o2460-o2460.
81. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini(2012)**: 1-(3-Bromophenyl) thiourea,Acta Cryst. E68 (8), o2462-o2462.
82. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini(2012)**: N-(1, 3-Thiazol-2-yl)-2-(2, 4, 6-trimethylphenyl) acetamide Acta Cryst. E: 68 (8), o2461-o2461.
83. HK Fun, CK Quah, **BK Sarojini**, BJ Mohan, B Narayana (**2012**):1-(5-Chloro-6-fluoro-1, 3-benzothiazol-2-yl) hydrazine,Acta Cryst. E: 68 (8), o2459-o2459.
84. HK Fun, CK Quah, D Munirajasekhar, M Himaja, **BK Sarojini(2012)**: 1-(6-Fluoro-1, 3-benzothiazol-2-yl)-2-(1-phenylethylidene) hydrazine,Acta Cryst. E: 68 (8), o2438-o2439.
85. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini(2012)**: 1-(3-Chlorophenyl) thiourea,Acta Cryst. E: 68 (8), o2423-o2423.
86. HK Fun, CK Quah, DN Shetty, B Narayana, **BK Sarojini (2012)**: 2-Chloro-1-(4-hydroxyphenyl) ethanone,Acta Cryst. E68 (8), o2424-o2424.
87. HK Fun, WS Loh, **BK Sarojini**, BJ Mohan, B Narayana (**2012**): 1-[2, 6-Dichloro-4-(trifluoromethyl) phenyl]-3, 4-dimethylpyrano [2, 3-c] pyrazol-6 (1H)-one,Acta Cryst. E68 (8), o2350-o2350.
88. S Samshuddin, B Narayana, DN Shetty, R Srinivasan, **BK Sarojini(2012)**: (2E)-3-[4-(1H-Benzimidazol-2-ylmethoxy)-3-methoxyphenyl]-1-(4, 4''-difluoro-5'-methoxy-1, 1': 3', 1''-terphenyl-4'-yl) prop-2-en-1-one, Molbank, M764.
89. HK Fun, WS Loh, DN Shetty, B Narayana, **BK Sarojini(2012)**: N'-[(E)-4-Chlorobenzylidene] pyridine-4-carbohydrazide monohydrate,Acta Cryst. E68 (7), 2012, o2303-o2304.

90. R Kant, VK Gupta, K Kapoor, M Sapnakumari, **BK Sarojini**, B Narayana (2012):(1Z)-1-[(2E)-3-(4-Bromophenyl)-1-(4-fluorophenyl) prop-2-en-1-ylidene]-2-(2, 4-dinitrophenyl) hydrazine, Acta Cryst. E68 (7), o2193-o2193.
91. HK Fun, WS Loh, S Samshuddin, B Narayana, **BK Sarojini(2012)**: (2E)-1-(4, 4''-Difluoro-5'-methoxy-1, 1': 3', 1''-terphenyl-4'-yl)-3-(2-fluorophenyl) prop-2-en-1-one,Acta Cryst. E: 68 (7), 2012, o2024-o2024.
92. HK Fun, WS Loh, S Samshuddin, B Narayana, **BK Sarojini(2012)**: (2E)-3-(4-Cyanophenyl)-1-(4, 4''-difluoro-5'-methoxy-1, 1': 3', 1''-terphenyl-4'-yl) prop-2-en-1-one,Acta Cryst. E: 68 (6), o1877-o1878.
93. R Srinivasan, B Narayana, S Samshuddin, **BK Sarojini(2012)**: tert-Butyl 1-(Furan-2-yl)-4-oxo-2, 3, 7-triazaspiro [4.5] dec-1-ene-7-carboxylate,Molbank 2012(2), M757.
94. HK Fun, S Arshad, S Samshuddin, B Narayana, **BK Sarojini(2012)**:3, 5-Bis (4-fluorophenyl) isoxazole,Acta Cryst. E: 68 (6), 2012, o1783-o1783.
95. HK Fun, S Arshad, **BK Sarojini**, UA Imran, BG Krishna (2012):3-Benzyl-7-(2, 4-dichlorophenyl)-4H-1, 3, 4-thiadiazolo [2, 3-c][1, 2, 4] triazin-4-one, Acta Cryst. E: 68 (6), o1736-o1737.
96. HK Fun, CW Ooi, S Samshuddin, B Narayana, **BK Sarojini(2012)**: [2, 6-Bis (biphenyl-4-yl)-4-hydroxy-4-(pyridin-2-yl) cyclohexane-1, 3-diy] bis [(pyridin-2-yl) methanone]-butan-2-one (1/1),Acta Cryst. E68 (6), o1633-o1634.
97. HK Fun, TS Chia, S Samshuddin, B Narayana, **BK Sarojini (2012)**: (2E)-1-(4, 4''-Difluoro-5'-methoxy-1, 1': 3', 1''-terphenyl-4'-yl)-3-(2, 6-difluorophenyl) prop-2-en-1-one, Acta Cryst. E68 (5), o1560-o1561.
98. HK Fun, CK Quah, DN Shetty, B Narayana, **BK Sarojini(2012)**: N'-(2, 6-Difluorobenzylidene) pyridine-4-carbohydrazide, Acta Cryst. E68 (5), o1484-o1484.
99. HK Fun, TS Chia, M Sapnakumari, B Narayana, **BK Sarojini (2012)**: (2E)-1-(2, 4-Dichlorophenyl)-3-(3, 4, 5-trimethoxyphenyl) prop-2-en-1-one, Acta Cryst. E68 (5), o1465-o1465.
100. HK Fun, CW Ooi, DN Shetty, B Narayana, **BK Sarojini (2012)**: 4-Methylbenzoic acid-N'-[(E)-4-methylbenzylidene] pyridine-4-carbohydrazide-water (1/1/1),Acta Cryst. E: 68 (5), o1492-o1492.
101. HK Fun, CK Quah, PS Nayak, B Narayana, **BK Sarojini(2012)**: N-(2, 6-Dichlorophenyl)-2-(naphthalen-1-yl) acetamide,Acta Cryst. E: 68 (5), o1385-o1385.
102. HK Fun, WS Loh, DN Shetty, B Narayana, **BK Sarojini(2012)**: N-(3-Chloro-4-fluorophenyl) acetamide,Acta Cryst. E: 68 (5), o1348-o1348.
103. HK Fun, CW Ooi, PS Nayak, B Narayana, **BK Sarojini (2012)**: N-(3, 4-Difluorophenyl)-2, 2-diphenylacetamide,Acta Cryst. E: 68 (5), o1349-o1350.
104. HK Fun, TS Chia, PS Nayak, B Narayana, **BK Sarojini (2012)**:N-(2, 4-Dimethylphenyl)-2, 2-diphenylacetamide,Acta Cryst. E68 (5), o1316-o1317
105. HK Fun, TS Chia, S Samshuddin, B Narayana, **BK Sarojini(2012)**:(2E)-3-(2-Bromophenyl)-1-(4, 4''-difluoro-5'-methoxy-1, 1': 3', 1''-terphenyl-4'-yl) prop-2-en-1-one,Acta Cryst. E: 68 (5), o1314-o1315.
106. HK Fun, CW Ooi, PS Nayak, B Narayana, **BK Sarojini (2012)**: 2, 2-Diphenyl-N-(1, 3-thiazol-2-yl) acetamide, Acta Cryst. E: 68 (5), o1312-o1313.
107. HK Fun, TS Chia, PS Nayak, B Narayana, **BK Sarojini (2012)**: N-(2, 6-Dimethylphenyl)-2, 2-diphenylacetamide,Acta Cryst. E: 68 (5), o1287-o1288.
108. HK Fun, CK Quah, S Samshuddin, B Narayana, **BK Sarojini(2012)**:1-[3-(4-Chlorophenyl)-5-(4-methoxyphenyl)-4, 5-dihydro-1H-pyrazol-1-yl] butan-1-one Acta Cryst. E: 68 (4), o975-o975.
109. HK Fun, TS Chia, PS Nayak, B Narayana, **BK Sarojini (2012)**: (2E)-3-(3-Nitrophenyl)-1-[4-(piperidin-1-yl) phenyl] prop-2-en-1-one, Acta Cryst. E: 68 (4), o974-o974.

110. HK Fun, TS Chia, S Samshuddin, B Narayana, **BK Sarojini (2012)**: 2-[3, 5-Bis (4-fluorophenyl)-4, 5-dihydro-1H-pyrazol-1-yl]-4, 6-bis (4-fluorophenyl) pyrimidine, Acta Cryst. E68 (3), o807-o808.
111. HK Fun, CK Quah, S Priya, B Narayana, **BK Sarojini (2012)**: 1-[5-(4-Chlorophenyl)-3-(4-hydroxyphenyl)-4, 5-dihydro-1H-pyrazol-1-yl] ethanone, Acta Cryst. E 68 (3), o818-o818.
112. HK Fun, CW Ooi, **BK Sarojini**, BJ Mohan, B Narayana(2012):1-(6-Chloro-1, 3-benzothiazol-2-yl) hydrazine, Acta Cryst. E68 (3), o691-o692.
113. HK Fun, S Arshad, S Samshuddin, B Narayana, **BK Sarojini (2012)**: Ethyl ({5-[5'-(2-ethoxy-2-oxoethoxy)-4, 4''-difluoro-1, 1': 3', 1''-terphenyl-4'-yl]-1, 3, 4-oxadiazol-2-yl} sulfanyl) acetate, Acta Cryst. E: 68 (3), o674-o675.
114. HK Fun, TS Chia, M Sapnakumari, B Narayana, **BK Sarojini(2012)**: (E)-3-(4-Chlorophenyl)-1-(4-fluorophenyl) prop-2-en-1-one, Acta Cryst. E: 68 (3), o629-o629
115. HK Fun, M Hemamalini, K Divya, B Narayana, **BK Sarojini (2012)**: Methyl N-({[2- (2-methoxyacetamido)-4-(phenylsulfanyl) phenyl] amino}[(methoxycarbonyl) imino] methyl) carbamate, Acta Cryst. E68 (3), o581-o582.
116. HK Fun, T Shahani, PS Nayak, B Narayana, **BK Sarojini(2012)**: N-(4-Bromophenyl)-2-(4-chlorophenyl) acetamide, Acta Cryst. E68 (2), o519-o519.
117. S Kumari, **BK Sarojini**, LN Madhu (2012): In vitro and In vivo antioxidant property of sulphhydryl group containing 1, 2, 4 Triazole derivative, Drug Invention Today 3 (12), 2012.
118. R Betz, T Gerber, E Hosten, S Samshuddin, B Narayana, **BK Sarojini (2012)**: 2, 2'-(Disulfanediy) bis [4, 6-(4-fluorophenyl) pyrimidine], Acta Cryst. E: 68 (2), 2012, o476-o477.
119. HK Fun, TS Chia, S Samshuddin, B Narayana, **BK Sarojini (2012)**: Ethyl 4, 4''-difluoro-5'-methoxy-1, 1': 3', 1''-terphenyl-4'-carboxylate, Acta Cryst. E: 68 (1), o172-o172.
120. R Kant, VK Gupta, K Kapoor, M Sapnakumari, B Narayana , **BK Sarojini(2012)**: Ethyl 6-(4-bromophenyl)-4-(4-fluorophenyl)-2-oxocyclohex-3-ene-1-carboxylate, Acta Cryst. E68, o2917-o2918.
121. S Samshuddin, RJ Butcher, M Akkurt, B Narayana, **BK Sarojini** , HS Yathirajan (2012): (1E,4E)-1-(3-Nitrophenyl)-5-phenylpenta-1,4-dien-3-one, Acta Cryst. E68, o74-o75.
122. HK Fun, A Farhadikoutenaei, **BK Sarojini**, BJ Mohan, B Narayana (2012): Ethyl 6- (4-methoxyphenyl)-2-oxo-4-phenylcyclohex-3-enecarboxylate, Acta Cryst. E68, 2012, o2788-o2789.
123. HK Fun, CK Quah, PS Nayak, B Narayana , **BK Sarojini(2012)**: (2E)-3-[4-(Benzyloxy)phenyl]-1-(pyridin-3-yl)prop-2-en-1-one, Acta Cryst. E68, o2724 .
124. HK Fun, M Hemamalini, S Samshuddin, B Narayana , **BK Sarojini (2012)**: 1-(4,4''-Difluoro-5'-methoxy-1,1':3',1''-terphenyl-4'-yl)ethanone, Acta Cryst. E68, o163
125. S Samshuddin, B Narayana, **BK Sarojini**, HS Yathirajan, R Raghavendra (2012): Synthesis, characterization and biological evaluation of functionalized derivatives of versatile synthon 4,4'-difluoro chalcone, Der Pharma Chemica 4 (4), 1445-1457.
126. S Samshuddin, B Narayana, **BK Sarojini**, R Srinivasan, Vinayachandra, KR Chandrashekar (2012): Synthesis, characterization and biological evaluation of some pyrazoles derived from α,β -dibromo 4,4'-difluoro chalcone. Der Pharma Chemica 4 (2), 587-592.
127. S Samshuddin, B Narayana, **BK Sarojini**, DN Shetty, N Suchetha Kumari (2012): Synthesis, Characterization, and Biological Evaluation of Some New

2011

128. R Srinivasan, B Narayana, S Samshuddin, **BK Sarojini (2011)**: 4-[5-(3,5-Difluorophenyl)furan-2-yl]-2,3,7-triazaspiro[4.5]dec-3-en-1-one Hydrochloride Molbank 2012, M773.
129. **BK Sarojini**, CG Darshan Raj, MK Ramakrishna, SR Ramesh(2011): In silico studies of (2E,5E)-2,5-bis(3-methoxy-4-hydroxy-benzylidene) cyclopentanone on proteins AChE and BChE involved in Alzheimer's disease and ameliorative effects on paraquat induced oxidative stress markers in Drosophila melanogaster, Lett. Drug. Discov. & Design 8, 260-267.
130. S Samshuddin, B Narayana, **BK Sarojini (2011)**: Ethyl 4, 4''-Difluoro-5'-hydroxy-1, 1': 3', 1''-terphenyl-4'-carboxylate, Molbank, 2011(4), M745.
131. AN Mayekar, HS Yathirajan, B Narayana, **BK Sarojini**, N Suchetha Kumari, WTA Harrison(2011): Synthesis and Antimicrobial Study of New 8-bromo-1, 3-diaryl-2, 3-dihydro-1H-naphtho [1, 2e][1, 3] oxazines, Int. J. Chem. 3 (1), 74-86.
132. HK Fun, T Shahani, S Samshuddin, B Narayana, **BK Sarojini (2011)**: (2E)-3-(3-Bromo-4-methoxyphenyl)-1-(4, 4''-difluoro-5'-methoxy-1, 1': 3', 1''-terphenyl-4'-yl) prop-2-en-1-one, Acta Cryst. E, 67 (12), o3514-o3514.
133. HK Fun, CW Ooi, D Munirajasekhar, M Himaja, **BK Sarojini (2011)**: 1-(6-Fluoro-1, 3-benzothiazol-2-yl)-3-phenyl-1H-pyrazole-4-carbaldehyde, Acta Cryst. E, 67 (12), o3458-o3459.
134. HK Fun, TS Chia, S Samshuddin, B Narayana, **BK Sarojini (2011)**: Methyl 4, 4''-difluoro-5'-methoxy-1, 1': 3', 1''-terphenyl-4'-carboxylate, Acta Cryst. E: 67 (12), o3390-o3390.
135. HK Fun, S Arshad, S Samshuddin, B Narayana, **BK Sarojini (2011)**: 5-(4, 4''-Difluoro-5'-hydroxy-1, 1': 3', 1''-terphenyl-4'-yl)-3-(morpholin-4-ylmethyl)-1, 3, 4-oxadiazole-2 (3H)-thione, Acta Cryst. E, 67 (12), o3372-o3372.
136. HK Fun, M Hemamalini, S Samshuddin, B Narayana, **BK Sarojini (2011)**: (E)-1-(4, 4''-Difluoro-5'-methoxy-1, 1': 3', 1''-terphenyl-4'-yl)-3-(6-methoxynaphthalen-2-yl) prop-2-en-1-one, Acta Cryst. E, 67 (12), o3327-o3328.
137. HK Fun, M Hemamalini, K Umesha, **BK Sarojini**, B Narayana (2011): 6-Fluoro-2-(4-methoxyphenyl)imidazo [2, 1-b][1, 3] benzothiazole, Acta Cryst. E, 67 (12), o3265-o3266.
138. HK Fun, TS Chia, B Narayana, PS Nayak, **BK Sarojini (2011)**: (2E)-1-(2, 5-Dimethoxyphenyl)-3-(3-nitrophenyl) prop-2-en-1-one, Acta Cryst. E, 67 (11), o3058-o3059.
139. R Betz, T Gerber, E Hosten, S Samshuddin, B Narayana, **BK Sarojini (2011)**: (2E)-1-(4, 4''-Difluoro-5'-methoxy-1, 1': 3', 1''-terphenyl-4'-yl)-3-(4-fluorophenyl) prop-2-en-1-one, Acta Cryst. E, 67 (11), o2996-o2997.
140. HK Fun, CK Quah, B Narayana, PS Nayak, **BK Sarojini (2011)**: N-(3, 5-Dichlorophenyl)-2-(naphthalen-1-yl) acetamide, Acta Cryst. E, 67 (11), o2941-o2942.
141. HK Fun, CK Quah, B Narayana, PS Nayak, **BK Sarojini (2011)**: N-(4-Bromophenyl)-2-(naphthalen-1-yl) acetamide, Acta Cryst. E, 67 (11), o2926-o2927.
142. HK Fun, SIJ Asik, M Himaja, D Munirajasekhar, **BK Sarojini (2011)**: 7-Chloro-3-phenylbenzo [4, 5] thiazolo [2, 3-c][1, 2, 4] triazole, Acta Cryst. E, 67 (10), o2810-o2810.
143. HK Fun, WS Loh, **BK Sarojini**, VM Khaleel, B Narayana (2011): 2, 3-Dibromo-3-(4-chlorophenyl)-1-(2-hydroxyphenyl) propan-1-one, Acta Cryst. E: 67 (10), o2651-o2652.

144. HK Fun, S Arshad, M Himaja, D Munirajasekhar, **BK Sarojini (2011)**: 2-[5-(4-Methoxyphenyl)-3-phenyl-4, 5-dihydro-1H-pyrazol-1-yl]-6-methyl-1, 3-benzothiazole, *Acta Cryst. E*: 67 (9), o2412-o2412.
145. S Samshuddin, RJ Butcher, M Akkurt, B Narayana, HS Yathirajan, **BK Sarojini (2011)**: 1, 3-Bis (4-fluorophenyl)-N, N'-(propane-1, 3-diylidene) dihydroxylamine, *Acta Cryst. E*: 67 (8), o1954-o1955.
146. HK Fun, WS Loh, **BK Sarojini**, K Umesh, B Narayana(2011):Methyl (2Z)-2-(2-fluoro-4-methoxybenzylidene)-5-(4-methoxyphenyl)-7-methyl-3-oxo-2, 3-dihydro-5H-[1, 3]thiazolo [3, 2-a] pyrimidine-6-carboxylate, *Acta Cryst. E*: 67 (8), o1913-o1914.
147. HK Fun, S Arshad, **BK Sarojini**, VM Khaleel, B Narayana (2011): (2E)-3-(3-Benzyloxyphenyl)-1-(2-hydroxy-5-methylphenyl) prop-2-en-1-one, *Acta Cryst. E*: 67 (6), o1372-o1373.
148. HK Fun, WS Loh, **BK Sarojini**, VM Khaleel, B Narayana (2011):(2E)-3-[3- (Benzyloxy) phenyl]-1-(2-hydroxyphenyl) prop-2-en-1-one. *Acta Cryst. E*, 67 (6), o1313-o1314.
149. HK Fun, S Arshad, **BK Sarojini**, VM Khaleel, B Narayana (2011): (2E)-1-(2-Hydroxy-5-methylphenyl)-3-(4-methoxyphenyl) prop-2-en-1-one, *Acta Cryst. E*: 67 (5), o1248-o1249.
150. JP Jasinski, RJ Butcher, V Musthafa Khaleel, **BK Sarojini**, HS Yathirajan(2011): (E)-3-(3, 4-Dimethoxyphenyl)-1-(2-hydroxyphenyl) prop-2-en-1-one, *Acta Cryst. E*, 67 (4), o845-o845.
151. JP Jasinski, RJ Butcher, V Musthafa Khaleel, **BK Sarojini**, B Narayana (2011): (2E)- 3-(3, 4-Dimethoxyphenyl)-1-(4-hydroxyphenyl) prop-2-en-1-one, *Acta Cryst. E*, 67 (4), o813-o813.
152. JP Jasinski, RJ Butcher, V Mustafa Khaleel, **BK Sarojini**, HS Yathirajan (2011): (2E)-3-(2-Anthracen-2-yl)-1-(2-hydroxyphenyl) prop-2-en-1-one, *Acta Cryst. E*, 67 (4), o795-o795.
153. JP Jasinski, RJ Butcher, HS Yathirajan, **BK Sarojini**, V Musthafa Khaleel (2011): (2E)-3-(4-Chlorophenyl)-1-(4-hydroxyphenyl) prop-2-en-1-one, *Acta Cryst. E*, 67 (4), o756-o756.
154. CG Darshan Raj, **BK Sarojini**, MK Ramakrishna, SR Ramesh, G Sanjeev, Protective effect of bischalcone derivative in *Drosophila melanogaster* against electron beam radiation *Research in Pharmacy* 1(4): 2011, 38-43.
155. CG Darshan Raj, **BK Sarojini**, MK Ramakrishna, SR Ramesh, B Narayana, G Sanjeev (2011): Evaluation of radioprotective effect of bischalcone derivative using *Drosophila melanogaster* (Oregon K) model system, *J.Pharm. Res.*, 4(7), 2012-2015.
156. M Vidyagayathri, CG Darshan Raj, **BK Sarojini**, SSreenivasa, M Jayaramu (2011): Synthesis, characterization, evaluation of antiproliferative and antimicrobial properties of new pyrazole derivatives *J.Pharm. Res.*4(8), 2787-2790.

2010

157. S Shettigar, P Poornesh, G Umesh, BK Sarojini, B Narayana, KP Kamath (2010): Investigation of third-order nonlinear optical properties of conjugated benzodioxal derivatives, *Optics & Laser Tech.*, 42 (7), 1162-1166.
158. B Narayana, KKV Raj, **BK Sarojini (2010)**: Synthesis, Characterization, and Antiproliferative Activity of 2-(2-Bromo-5-methoxyphenyl)-6-aryl-1, 3-thiazolo [3, 2 b][1, 2, 4] triazoles, *Phosphorus, Sulfur, and Silicon* 185 (2), 306-312.
159. AN Mayekar, HS Yathirajan, B Narayana, **BK Sarojini**, NS Kumari (2010): Synthesis and antimicrobial studies on new substituted 1, 3, 4-oxadiazole derivatives bearing 6-bromonaphthalene moiety, *Int. J.Chem.*, 2 (1), P38-54.

160. JP Jasinski, RJ Butcher, AN Mayekar, HS Yathirajan, B Narayana, **BK Sarojini(2010)**:Synthesis, crystal structures and theoretical studies of four Schiff bases derived from 4-hydrazinyl-8-(trifluoromethyl) quinoline, *J. Mol. Struct.*, 980 (1-3),172-181.
161. WTA Harrison, AN Mayekar, HS Yathirajan, B Narayana, **BK Sarojini (2010)**: Ethyl 4-(2, 4-dichlorophenyl)-6-(6-methoxy-2-naphthyl)-2-oxocyclohex-3-ene-1-carboxylate *Acta Cryst. E*, 40(10), o2478-o2478.
162. **BK Sarojini**, BG Krishna, CG Darshanraj, BR Bharath, H Manjunatha (2010): Synthesis, characterization *in vitro* and molecular docking studies of new 2, 5-dichloro thienyl substituted thiazole derivatives for antimicrobial properties. *Eur. J. Med. Chem.*, 45(8), 3490-3496.
163. **BK Sarojini**, M Vidyagayatri, CG Darshanraj, BR Bharath, H Manjunath (2010): DPPH Scavenging Assay of Novel 1, 3-disubstituted-1H-pyrazol-5-ols and their *in silico* Studies on Some Proteins Involved in Alzheimers Disease Signaling Cascade. *Lett. Drug Design & Discovery* 7 (3), 214-224.
164. JP Jasinski, RJ Butcher, MT Swamy, B Narayana, **BK Sarojini**, HS Yathirajan (2010):Crystal Structure of [4-(Methylsulfanyl) Phenyl] Acetic Acid, *J. Chemical Cryst.*, 40 (1), 25-28.
165. P Poornesh, S Shettigar, G Umesh, KB Manjunatha, K Prakash Kamath, **BK Sarojini (2009)**:Nonlinear optical studies on 1, 3-disubstituent chalcones doped polymer films, *Optical Materials*, 31(6), 854-859.

2009

166. B Narayana, BV Ashalatha, KK Vijaya Raj, **BK Sarojini (2009)**: Synthesis and studies on antimicrobial, antiinflammatory and antiproliferative activities of heterocycles derived from 4-/5-/6-/7-nitro/5-fluoro/chloro/bromoindole-2-carbohydrazides, *Indian J.Chem.* 48 B (12), 1794-1805.
167. WTA Harrison, QNM Hakim Al-Arique, B Narayana, HS Yathirajan, **BK Sarojini (2009)**: 2-Bromo-1, 3-bis (4-chlorophenyl) prop-2-en-1-one, *Acta Cryst. E*, 65 (11), o2648-o2648.
168. Crystal Structure of [4-(Methylsulfanyl) Phenyl] Acetic Acid (2009): JP Jasinski, RJ Butcher, MT Swamy, B Narayana, **BK Sarojini**, HS Yathirajan, *J. Chemical Cryst.*, 40 (1), 25.
169. JP Jasinski, RJ Butcher, AN Mayekar, HS Yathirajan, B Narayana, **BK Sarojini (2009)**:Synthesis and Crystal Structure of 5-[2-(6-bromonaphthalenyloxymethyl)] -3-(4-morpholinomethyl)-1, 3, 4-oxadiazole-2 (3H)-thione, *J. Chemical Cryst.*, 39 (10), 761-765.
170. H Li, **BK Sarojini**, B Narayana, HS Yathirajan, WTA Harrison (2009): 2-Bromo-N'- [(Z)-2-bromobenzylidene]-5-methoxybenzohydrazide, *Acta Cryst. E*: 65 (8),o1750- o1750.

2008

171. S Shettigar, G Umesh, K Chandrasekharan, **BK Sarojini**, B Narayana (2008): Studies on third-order nonlinear optical properties of chalcone derivatives in polymer host, *Optical Materials* 30 (8), 1297-1303.
172. BS Rao, PM Akberali, BS Holla, **BK Sarojini**, (2008):Synthesis and studies on some new fluorine containing hydroxypyrazolines and 1H pyrazoles-as possible antiproliferative agents, *J. Pharmacol. Toxicol.*, 3 (2), 102-110.

173. H Li, TV Sreevidya, B Narayana, **BK Sarojini**, HS Yathirajan (**2008**): (E)-1-(1, 3-Benzodioxol-5-yl)-3-(3-bromophenyl) prop-2-en-1-one, Acta Cryst. E: 64 (12), o2387-o2387.
174. H Li, **BK Sarojini**, CGD Raj, LN Madhu, HS Yathirajan (**2008**): (E)-3-(3-Bromophenyl)-1-(4-methylphenyl) prop-2-en-1-one, Acta Cryst. E: 64 (11), o2238-o2238.
175. A Fischer, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini** (**2008**): Ethyl 4-(3-bromo-2-thienyl)-2-oxo-6-phenylcyclohex-3-ene-1-carboxylate, Acta Cryst. E: 64 (3), o560-o560.
176. B Narayana, **BK Sarojini**, KP Kamath, HS Yathirajan, M Bolte (**2008**): 2-Aminopyrimidinium picrate, Acta Cryst. E: 64 (1), o117-o118.

2007

177. HS Yathirajan, B Narayana, MT Swamy, **BK Sarojini**, M Bolte (**2008**): Phthalazin-1(2H)-one-picric acid (1/1), Acta Cryst. E: 64 (1), o119.
178. MT Swamy, B Narayana, HS Yathirajan, **BK Sarojini**, M Kubicki (**2008**): 3-[(Z)-(4-Diethylamino-6-oxocyclohexa-2,4-dien-1-ylidene)methylamino] benzoic acid, Acta Cryst. E: 64 (1), o163-o164.
179. **BK Sarojini**, B Narayana, AN Mayekar, HS Yathirajan, M Bolte (**2007**): 1.2-Amino-4,5 dimethoxy-benzonitrile, Acta Cryst. E: 63 (12), o4553.
180. **BK Sarojini**, B Narayana, AN Mayekar, HS Yathirajan, M Bolte (**2007**): 6-Bromo-, 4-bis-(3-methoxy-phen-yl)-3,4-dihydro-2H-1,3-naphthoxazine, Acta Cryst. E: 63 (12), o4739.
181. **BK Sarojini**, B Narayana, K Mustafa, HS Yathirajan, M (**2007**): 5-Diethyl-amino-2-[(Z)-(4-methyl-3-nitro-phen-yl)imino-meth-yl]phenol, Acta Cryst. E: 63 (12), o4782.
182. **BK Sarojini**, HS Yathirajan, B. Narayana, MT Swamy, M Kubicki (**2007**): (2E)-3-(4-Methoxy-phen-yl)-1-(3-methyl-2-thien-yl)prop-2-en-1-one, Acta Cryst. E: 63 (12), o4688.
183. **BK Sarojini**, B Narayana, MT Swamy, HS Yathirajan, M Bolte (**2007**): 5-Bromo-3-(methyl-amino-carbon-yl)pyridinium picrate, Acta Cryst. E: 63 (10), o4181.
184. **BK Sarojini**, B Narayana, AN Mayekar., HS Yathirajan, M Bolte (**2007**): A 1:1 cocrystal of 2,8-bis-(trifluoro-methyl)quinolin-4-ol and 2,8-bis-(trifluoromethyl)quinolin-4(1H)-one, Acta Cryst. E: 63 (11), o4478-o4479.
185. **BK Sarojini**, B Narayana, AN Mayekar, HS Yathirajan, M Bolte (**2007**): Ethyl (6-bromo-2-naphthyloxy)acetate, Acta Cryst. E: 63 (11), o4447.
186. **BK Sarojini**, K Mustafa, B Narayana, HS Yathirajan, M Bolte (**2007**), 2-Bromo-5-methoxybenzohydrazide, Acta Cryst. E: 63 (11), o4419.
187. **BK Sarojini**, HS Yathirajan, K Mustafa, H Sarfraz, M Bolte (**2007**): (2E)-1-(2-hydroxyphenyl)-3-[4-(methylsulfanyl)phenyl]prop-2-en-1-one, Acta Cryst. E: 63 (11), o4448.
188. **BK Sarojini**, HS Yathirajan, K Mustafa, H Sarfraz, M Bolte (**2007**): (2E)-1-(2-Hydroxyphenyl)-3-(4-methoxy-phenyl)prop-2-en-1-one, Acta Cryst. E: 63 (11), o4477.
189. **BK Sarojini**, B Narayana, K Sunil, HS Yathirajan, M Bolte (**2007**): 2-Bromo-N'-[(E)-4-hydroxy-benzyl-idene]-5-methoxy-benzohydrazide, Acta Cryst. E: 63 (9), o3862-o3863.
190. **BK Sarojini**, B Narayana, HS Yathirajan, AN Mayekar, M Bolte (**2007**): 2,3-Dibromo-3-(4-bromo-6-methoxy-2-naphth-yl)-1-(4-methoxy-phen-yl) propan-1-one, Acta Cryst. E: 63 (9), o3755.

191. **BK Sarojini**, B Narayana, MT Swamy, HS Yathirajan, M Bolte (2007): Redetermination of N,N'-bis-(4-chloro-phenyl)-thio-urea at 173 K. Acta Cryst. E: 63 (9), o3879.
192. **BK Sarojini**, B Narayana, K Veena, HS Yathirajan, M Bolte (2007): 1-(2-Bromo-5-methoxy-benzo-yl)thio-semi-carbazide, Acta Cryst. E: 63 (9), o3844-o3845.
193. **BK Sarojini**, B Narayana, K Sunil, HS Yathirajan, M Bolte (2007): 1-(2,6-Dimethyl-phen-yl)thio-urea, Acta Cryst. E: 63 (9), o3754.
194. **BK Sarojini**, B Narayana, K Sunil, HS Yathirajan, M Bolte (2007): N'-Isopropylidene-6-methoxy-2-naphthohydrazide, Acta Cryst. E: 63 (8), o3551.
195. **BK Sarojini**, HS Yathirajan, K Sunil, B Narayana, M Bolte (2007): 2-Bromo-N'-isopropylidene-5-methoxy-benzohydrazide, Acta Cryst. E: 63 (8), o3487.
196. **BK Sarojini**, HS Yathirajan, B Narayana, K Sunil, M Bolte (2007): 1,5-Bis[(1E)-3,4-dimethoxy-benzyl-idene]thio-carbonohydrazide tetra-hydrate, Acta Cryst. E: 63 (8), o3521.
197. **BK Sarojini**, HS Yathirajan, AN Mayekar, B Narayana, M Bolte (2007): (2E)-1-(2,4-Dichloro-phen-yl)-3-(quinolin-8-yl)prop-2-en-1-one, Acta Cryst. E: 63 (8), o3488.
198. **BK Sarojini**, B Narayana, AM Vijesh, HS Yathirajan, M Bolte (2007): (2E)-1-(3-Methyl-2-thien-yl)-3-(3-nitro-phen-yl)prop-2-en-1-one, Acta Cryst. E: 63 (8), o3656.
199. **BK Sarojini**, HS Yathirajan, K Lakshmana, B Narayana, M Bolte (2007): (2E)-3-(2-Chlorophenyl)-1-(3-nitrophenyl)prop-2-en-1-one, Acta Cryst. E: 63 (7), o3211.
200. **BK Sarojini**, HS Yathirajan, TV Sreevidya, B Narayana, M Bolte (2007): 3-(Biphenyl-4-yl)-1-(4-fluorophenyl)prop-2-en-1-one, Acta Cryst. E: 63 (6), o2945.
201. **BK Sarojini**, B Narayana, S Bindya, HS Yathirajan, M Bolte (2007): 4-(Methylsulfanyl)benzaldehyde semicarbazone, Acta Cryst. E: 63 (6), o2946.
202. B Narayana, K Sunil, **BK Sarojini**, HS Yathirajan, M Bolte (2007): (1Z)-1-(4-Methoxyphenyl) ethan-1-one thiosemicarbazone, Acta Cryst. E: 63(12), o4834-o4835.
203. B Narayana, DJ Prasad, **BK Sarojini**, HS Yathirajan, M Bolte (2007): 3-[4-(Methylsulfanyl) benzyl]-4-[(1E)-[4-(methylsulfanyl) phenyl] methyleneamino]-4,5-dihydro-1H-1,2,4-triazole-5-thione, Acta Cryst. E: 63 (12), o4705-o4706.
204. B Narayana, K Sunil, **BK Sarojini**, HS Yathirajan, M Bolte (2007): 4-[1-(4-Chlorophenyl)-3-oxobutylamino] benzoic acid, Acta Cryst. E: 63(11), o4420-o4421.
205. B Narayana, K Mustafa, **BK Sarojini**, HS Yathirajan, M Bolte (2007): (2E)-1-(2-Thienyl)-3-(2,3,5-trichlorophenyl) prop-2-en-1-one, Acta Cryst. E: 63(11), o4422-o4423.
206. B Narayana, AN Mayekar, HS Yathirajan, **BK Sarojini**, M Kubicki (2007): 2,3-Dibromo-3-(5-bromo-2-methoxyphenyl)-1-(2,4-dichlorophenyl) propan-1-one, Acta Cryst. E: 63(11), o4362-o4362.
207. WTA Harrison, BV Ashalatha, B Narayana, **BK Sarojini**, HS Yathirajan (2007): (2E)-1-(3-Bromo-2-thienyl)-3-(4-nitrophenyl) prop-2-en-1-one, Acta Cryst. E: 63(11), (10), o4183-o4183.
208. M Odabasoglu, O Buyukgungor, **BK Sarojini**, B Narayana (2007): 3-[[2-(Trifluoromethyl) phenyl] hydrazono] pentane-2,4-dione, Acta Cryst. E: 63 (10), o4135-o4136.
209. WTA Harrison, BV Ashalatha, B Narayana, **BK Sarojini**, HS Yathirajan (2007): (2E)-3-(Biphenyl-4-yl)-1-(3-bromo-2-thienyl) prop-2-en-1-one, Acta Cryst. E: 63(10), o3898-o3898.
210. WTA Harrison, TV Sreevidya, B Narayana, **BK Sarojini** (2007): HS Yathirajan Nevirapinium picrate, Acta Cryst. E: 63 (9), o3871-o3871.

211. A Fischer, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini (2007)**: (7RS, 8SR)-Ethyl 6-(1, 3-benzodioxol-5-yl)-3-(3-bromo-2-thienyl)-2-oxocyclohex-3-ene-1-carboxylate, Acta Cryst. E: 63(8), o3616-o3616.
212. A Fischer, HS Yathirajan, **BK Sarojini**, S Bindya, B Narayana (2007): 1-(4-Methoxyphenyl)-5-phenylpenta-2, 4-dien-1-one, Acta Cryst. E: 63 (8), o3540-o3540.
213. WTA Harrison, HS Yathirajan, B Narayana, TV Sreevidya, **BK Sarojini (2007)**: Redetermination of-D-glucosamine hydrochloride: elucidation of the hydrogen-bonding scheme, Acta Cryst. E: 63(7), , o3248-o3248.
214. RJ Butcher, JP Jasinski, B Narayana, **BK Sarojini**, S Bindya, HS Yathirajan (2007): 2, 5-Bis (3, 4-dimethoxybenzylidene) cyclopentanone, Acta Cryst. E: 63(7), o3270- o3271.
215. RJ Butcher, JP Jasinski, **BK Sarojini**, HS Yathirajan, S Bindya, B Narayana (2007): 1, 5-Bis (4-fluorophenyl) penta-1, 4-dien-3-one, Acta Cryst. E: 63 (7),o3213-o3214.
216. WTA Harrison, **BK Sarojini**, S Bindya, B Narayana, HS Yathirajan (2007): (1E)-5-Amino-1, 5-bis [4-(methylsulfanyl) phenyl] pent-1-en-3-one, Acta Cryst. E: 63(7), o3142-o3142.
217. RJ Butcher, JP Jasinski, HS Yathirajan, S Bindya, B Narayana, **BK Sarojini (2007)**: 1, 5-Bis (3, 4-dimethoxyphenyl) penta-1, 4-dien-3-one, Acta Cryst. E: 63 (7), o3115-o3115.
218. HS Yathirajan, S Bindya, **BK Sarojini**, B Narayana, M Bolte (2007): Ethyl 2-(propionylamino)-4, 5, 6, 7-tetrahydro-1-benzothiophene-3-carboxylate, Acta Cryst. E: 63 (6), o2949-o2949.
219. B Narayana, K Sunil, HS Yathirajan, **BK Sarojini**, M Bolte (2007): 2-Bromo-N'- [(E)-(4-fluorophenyl) methylene]-5-methoxybenzohydrazide monohydrate, Acta Cryst. E: 63 (6), o2948-o2948.
220. HS Yathirajan, AN Mayekar, **BK Sarojini**, B Narayana, M Bolte (2007): 4, 8-Dihydroxy-2-methyl-1, 2, 3, 4-tetrahydroisoquinolinium chloride monohydrate Acta Cryst. E: 63 (6), o2885-o2885.
221. HS Yathirajan, S Bindya, **BK Sarojini**, B Narayana, M Bolte (2007): Ethyl (4-oxo-1-phenyl-1, 4-dihydro-5H-pyrazolo [3, 4-d] pyrimidin-5-yl) acetate, Acta Cryst. E: 63 (5),o2718-o2718.
222. HS Yathirajan, **BK Sarojini**, B Narayana, K Sunil, M Bolte (2007): Bis {4-[(2-hydroxybenzylidene) hydrazino]-8-(trifluoromethyl) quinolinium} sulfate tetrahydrate, Acta Cryst. E: 63 (5), , o2720-o2721.
223. HS Yathirajan, **BK Sarojini**, B Narayana, K Sunil, M Bolte (2007): 2-Bromo-5-methoxy-N'-[(E)-(2-nitrophenyl) methylene] benzohydrazide, Acta Cryst. E: 63 (5),o2719-o2719.
224. HS Yathirajan, B Narayana, K Sunil, **BK Sarojini**, M Bolte (2007): N'-[(1E)-(4-Fluorophenyl) methylene]-6-methoxy-2-naphthohydrazide, Acta Cryst. E: 63 (5), o2565-o2565.
225. HS Yathirajan, S Bindya, **BK Sarojini**, B Narayana, M Bolte (2007): Ethyl 6-methoxy-2-naphthoate, Acta Cryst. E: 63 (5), o2350-o2350.
226. HS Yathirajan, AM Mayekar, B Narayana, **BK Sarojini**, M Bolte (2007): 2, 3-Dibromo-3-(5-bromo-6-methoxy-2-naphthyl)-1-(2, 4-dichlorophenyl) propan-1-one, Acta Cryst. E: 63 (5), ,o2345-o2345.
227. HS Yathirajan, AM Vijesh, B Narayana, **BK Sarojini**, M Bolte (2007): 2, 3-Dibromo-1-(3-bromo-2-thienyl)-3-(4-fluorophenyl) propan-1-one, Acta Cryst. E: 63 (5), o2198-o2199.
228. HS Yathirajan, AN Mayekar, B Narayana, **BK Sarojini**, M Bolte (2007): 2, 3-Dibromo-1-(2, 4-dichlorophenyl)-3-(4, 5-dimethoxy-2-nitrophenyl) propan-1-one, Acta Cryst. E: 63(5), o2196-o2197.

229. HS Yathirajan, AN Mayekar, B Narayana, **BK Sarojini**, M Bolte (2007): (2E)-1-(2, 4-Dichlorophenyl)-3-(4, 5-dimethoxy-2-nitrophenyl) prop-2-en-1-one, Acta Cryst. E: 63 (5), o2200-o2201.
230. HS Yathirajan, AN Mayekar, **BK Sarojini**, B Narayana, M Bolte (2007): 2-(4-Methylbenzoyloxymethyl)-5-(5-methyl-2, 4-dioxo-1, 2, 3, 4-tetrahydropyrimidin-1-yl) tetrahydrofuran-3-yl 4-methylbenzoate, Acta Cryst. E: 63 (3), o1395-o1397.
231. HS Yathirajan, **BK Sarojini**, B Narayana, K Sunil, M Bolte (2007): 4-[(1E)-Benzylideneamino]-3-methyl-2, 4-dihydro-1H-1, 2, 4-triazole-5-thione, E63, o1398-o1399.
232. RJ Butcher, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini** (2007): 1-(3-Bromo-2-thienyl)-3-(6-methoxy-2-naphthyl) prop-2-en-1-one, Acta Cryst. E: 63 (3), o1430- o1431.
233. HS Yathirajan, S Bindya, **BK Sarojini**, B Narayana, M Bolte (2007): Methyl 4-(bromomethyl) benzoate, Acta Cryst. E: 63 (3), , o1334-o1335.
234. A Fischer, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini** (2007): (2E)-3-(Biphenyl-4-yl)-1-(4-chlorophenyl) prop-2-en-1-one, Acta Cryst. E: 63 (3), ,o1353-o1354.
235. A Fischer, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini** (2007): (2E)-3-(Biphenyl-4-yl)-1-phenylprop-2-en-1-one, Acta Cryst. E: 63 (3), ,o1357-o1358.
236. A Fischer, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini** (2007):(2E)-3-(Biphenyl-4-yl)-1-(2, 4-dichlorophenyl) prop-2-en-1-one, Acta Cryst., E: 63 (3), , o1351-o1352.
237. A Fischer, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini** (2007):(2E)-3-(Biphenyl-4-yl)-1-(4-methoxyphenyl) prop-2-en-1-one, Acta Cryst. E: 63 (3), , o1349-o1350.
238. HS Yathirajan, AN Mayekar, BK Sarojini, **B Narayana**, M Bolte (2007): 7-Diethylamino-3-[(2Z)-3-(6-methoxy-2-naphthyl) prop-2-enoyl]-2H-chromen-2-one, Acta Cryst. E: 63 (3), ,o1140-o1141.
239. RJ Butcher, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini** (2007): 1-(3-Bromo-2-thienyl)-3-(4-butoxyphenyl) prop-2-en-1-one, Acta Cryst. E: 63 (3), , o1201-o1203.
240. HS Yathirajan, AN Mayekar, **BK Sarojini**, B Narayana, M Bolte (2007): (2E)-3-(6-Methoxy-2-naphthyl)-1-phenylprop-2-en-1-one, Acta Cryst. E: 63 (2), o1012-o1013.
241. RJ Butcher, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini** (2007): 1-(3-Bromo-2-thienyl)-3-[4-(dimethylamino) phenyl] prop-2-en-1-one, Acta Cryst. E: 63 (2), o1005-o1007.
242. HS Yathirajan, B Narayana, BV Ashalatha, **BK Sarojini**, M Bolte (2007): 5-Bromopyrimidin-2 (1H)-one, Acta Cryst. E: 63 (2), o923-o924.
243. HS Yathirajan, AM Vijesh, B Narayana, **BK Sarojini** (2007): M Bolte 1-(4-[(E)- (4-Diethylamino-2-hydroxyphenyl) methylene] amino} phenyl) ethanone, Acta Cryst. E: 63 (2), o936-o938.
244. HS Yathirajan, AN Mayekar, B Narayana, **BK Sarojini**, M Bolte (2007): 3- (Biphenyl-4-yl)-2, 3-dibromo-1-(2, 4-dichlorophenyl) propan-1-one, Acta Cryst. E: 63 (2), o827-o828.
245. HS Yathirajan, AN Mayekar, **BK Sarojini**, B Narayana, M Bolte (2007): (2E)-1-(2, 4-Dichlorophenyl)-3-(4-6 metoxy-2-naphthyl) prop-2-en-1-one, Acta Cryst. E: 63 (2), o540-o541.
246. HS Yathirajan, AN Mayekar, **BK Sarojini**, B Narayana, M Bolte (2007) : (2E)-1-(2, 4-Dichlorophenyl)-3-(2-hydroxyphenyl) prop-2-en-1-one, Acta Cryst. E: 63 (2), o426-o427.
247. HS Yathirajan, AN Mayekar, **BK Sarojini**, B Narayana, M Bolte (2007): (2E)-1-(2, 4-Dichlorophenyl)-3-(4-nitrophenyl) prop-2-en-1-one, Acta Cryst. E: 63 (2), o424- o425.

248. A Fischer, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini (2007)**: (8RS, 9SR)-Ethyl 4-(3-bromothien-2-yl)-6-(2-furyl)-2-oxocyclohex-3-ene-1-carboxylate, Acta Cryst. E: 63 (1), o254-o255.
249. RJ Butcher, HS Yathirajan, B Narayana, A Mithun, **BK Sarojini (2007)**: (2E)-1-(2, 4-Dichlorophenyl)-3-[4-(methylsulfanyl) phenyl] prop-2-en-1-one, Acta Cryst. E: 63 (1), o30-o32.
250. A Fischer, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini (2007)**: (2E)-3-(Biphenyl-4-yl)-1-(4-bromophenyl)prop-2-en-1-one, Acta Cryst: E63, o1355-o1356.
251. B Narayana, K Lakshmana, **BK Sarojini**, HS Yathirajan, M. Bolte **(2007)**: (2E)-3-(5-Bromo-2-thienyl)-1-(4-hydroxyphenyl)prop-2-en-1-one, Acta Cryst: E63, o4552.
252. A Fischer, HS Yathirajan, **BK Sarojini**, S Bindya, B Narayana **(2007)**: 1-(4-Methylphenyl)-5-phenylpenta-2,4-dien-1-one. Acta Cryst. E63, o2832.
253. HS Yathirajan, S Bindya, **BK Sarojini**, B Narayana, M. Bolte **(2007)**: Methyl (4-oxo-1-phenyl-4,5-dihydro-1H-pyrazolo[3,4-d]pyrimidin-5-yl)acetate, Acta Cryst. E63, o2566.
254. KK Vijaya Raj, B Narayana, BV Ashalatha, N Suchetha Kumari, **BK Sarojini (2007)**: Synthesis of some bioactive 2-bromo-5-methoxy-[N'-(4-(aryl)-1, 3-thiazol-2-yl)] benzohydrazide derivatives, EJMC, 42 (3), 425-429.

2006

255. **BK Sarojini**, B Narayana, BV Ashalatha, J Indira, KG Lobo **(2006)**: Synthesis, crystal growth and studies on non-linear optical property of new chalcones, J. Cryst. Growth, 295, 54-59.
256. S Shettigar, K Chandrasekharan, G Umesh, **BK Sarojini**, B Narayana **(2006)**: Studies on nonlinear optical parameters of bis-chalcone derivatives doped polymer, Polymer 47 (10), 3565-3567.
257. BS Holla, BS Rao, **BK Sarojini**, PM Akberali, NS Kumari **(2006)**: Synthesis and studies on some new fluorine containing triazolothiadiazines as possible antibacterial, antifungal and anticancer agents EJMC, 41 (5), 657-663.
258. HS Yathirajan, TV Sreevidya, B Narayana, **BK Sarojini**, M Bolte **(2006)**: (2E)-3-(4-Butoxyphenyl)-1-(4-chlorophenyl) prop-2-en-1-one, Acta Cryst.E: 62 (12), o5923-o5924.
259. HS Yathirajan, S Bindya, B Narayana, **BK Sarojini**, M Bolte **(2006)**: 4-(Methylsulfanyl) benzaldehyde thiosemicarbazone, Acta Cryst.E: 62 (12), o5925-o5926.
260. WTA Harrison, HS Yathirajan, B Narayana, A Mithun, **BK Sarojini (2006)**: (2E)-1-(4-Chlorophenyl)-3-[4-(methylsulfanyl) phenyl] prop-2-en-1-one, Acta Cryst.E: 62 (11), o5290-o5292.
261. WTA Harrison, S Bindya, HS Yathirajan, **BK Sarojini**, B Narayana **(2006)**: (2E)-3-(1, 3-Benzodioxol-5-yl)-1-(4-bromophenyl) prop-2-en-1-one, Acta Cryst.E: 62 (11), o5293-o5295.
262. HS Yathirajan, KK Vijaya Raj, B Narayana, **BK Sarojini**, M Bolte **(2006)**: 3-(2-Bromo-5-methoxyphenyl)-5-methyl-1-(4-phenyl-1, 3-thiazol-2-yl)-1H-1, 2, 4-triazole, Acta Cryst.E: 62 (11), o5013-o5014.
263. HS Yathirajan, B Narayana, BV Ashalatha, **BK Sarojini**, M Bolte **(2006)**: (2E)-1-(3-Bromo-2-thienyl)-3-(4-methoxy-2, 3, 6-trimethylphenyl) prop-2-en-1-one, Acta Cryst.E: 62 (11), o5010-o5012.

264. HS Yathirajan, **BK Sarojini**, BV Ashalatha, B Narayana, M Bolte (2006): 1, 5-Bis (3-bromo-2-thienyl)-3-(3-nitrophenyl) pentane-1, 5-dione, Acta Cryst. E: 62 (10), o4554-o4555.
265. WTA Harrison, HS Yathirajan, A Mithun, B Narayana, **BK Sarojini** (2006): 3-[4-(Methylsulfanyl) phenyl]-1-(4-nitrophenyl) prop-2-en-1-one, Acta Cryst.E: 62 (10), o4508-o4509.
266. HS Yathirajan, KK Vijaya Raj, B Narayana, **BK Sarojini**, M Bolte (2006): 2-(2-Bromo-5-methoxyphenyl)-6-phenyl-1, 3-thiazolo [3, 2-b][1, 2, 4] triazole, Acta Cryst.E: 62 (10), o4444-o4445.
267. HS Yathirajan, B Narayana, B Ashalatha, **BK Sarojini**, M Bolte (2006): 3-(6-Methoxy-2-naphthyl)-1-(2-thienyl) prop-2-en-1-one, Acta Cryst.E: 62 (10), o4440-o4441.
268. HS Yathirajan, **BK Sarojini**, B Narayana, S Bindya, M Bolte (2006):(2E)-1-(3-Bromo-2-thienyl)-3-(2, 5-dimethoxyphenyl) prop-2-en-1-one, Acta Cryst.E: 62 (9) , o4048-o4049.
269. HS Yathirajan, **BK Sarojini**, S Bindya, B Narayana, M Bolte (2006): 3-(6-Methoxy- 2-naphthyl)-1-(2-naphthyl) prop-2-en-1-one, Acta Cryst.E: 62 (9), o4046-o4047.
270. HS Yathirajan, **BK Sarojini**, B Narayana, BV Ashalatha, M Bolte (2006): (2E)-1-(3-Bromo-2-thienyl)-3-(4, 5-dimethoxy-2-nitrophenyl) prop-2-en-1-one, Acta Cryst.E: 62 (9), o3964-o3965.
271. RJ Butcher, HS Yathirajan, BV Ashalatha, B Narayana, **BK Sarojini** (2006): Methyl 5-chloro-1H-indole-2-carboxylate, Acta Cryst.E: 62 (9), o3915-o3917.
272. HS Yathirajan, **BK Sarojini**, B Narayana, S Bindya, M Bolte (2006): 3-(36.1, 3-Benzodioxol-5-yl)-1-phenylprop-2-en-1-one, Acta Cryst.E: 62 (9), o3629-o3630.
273. HS Yathirajan, **BK Sarojini**, B Narayana, S Bindya, M Bolte (2006): 1-(2, 4-Dichloro-5-fluorophenyl)-3-(3, 4-dimethoxyphenyl) prop-2-en-1-one, Acta Cryst.E: 62 (9), o3631-o3632.
274. WTA Harrison, HS Yathirajan, HG Anilkumar, **BK Sarojini**, B Narayana (2006) 1- (4-Fluorophenyl)-3-(4-methoxyphenyl) prop-2-en-1-one, Acta Cryst.E: 62 (8), o3251-o3253.
275. RJ Butcher, HS Yathirajan, HG Anilkumar, **BK Sarojini**, B Narayana (2006): 2, 3-Dibromo-3-(4-methoxyphenyl)-1-phenylpropan-1-one, Acta Cryst.E: 62 (6), o2525-o2527.
276. RJ Butcher, HS Yathirajan, A Mithun, B Narayana, **BK Sarojini** (2006): Chalcone and its hydroxobromo derivative: a 1: 1 mixed crystal containing chalcone and 2-bromo-3-hydroxy-1-(4-methylphenyl)-3-[4-(methylsulfanyl) phenyl] propan-1-one, Acta Cryst.E: 62 (6) , o2350-o2352.
277. RJ Butcher, HS Yathirajan, **BK Sarojini**, B Narayana, J Indira (2006): 2, 6-Bis (4-methoxybenzylidene) cyclohexanone, Acta Cryst.E: 62(5), o1910-o1912.
278. RJ Butcher, HS Yathirajan, **BK Sarojini**, B Narayana, KK Vijaya Raj (2006): 1, 5-Bis (4-chlorophenyl) penta-1, 4-dien-3-one, Acta Cryst.E: 62 (5), o1973-o1975.
279. WTA Harrison, HS Yathirajan, **BK Sarojini**, B Narayana, J Indira (2006): 1-(4-Chlorophenyl)-3-(4-methoxyphenyl) prop-2-en-1-one, Acta Cryst.E: 62 (4), o1647-o1649.
280. RJ Butcher, HS Yathirajan, **BK Sarojini**, B Narayana, A Mithun (2006): 2, 3-Dibromo-1-(4-methoxyphenyl)-3-[4-(methylsulfanyl) phenyl] propan-1-one, Acta Cryst.E: 62 (4), o1629-o1630.
281. RJ Butcher, HS Yathirajan, HG Anilkumar, **BK Sarojini**, B Narayana (2006): 3-(3, 4-Dimethoxyphenyl)-1-(4-fluorophenyl) prop-2-en-1-one, Acta Cryst.E: 62 (4), o1633-o1635.

282. RJ Butcher, HS Yathirajan, HG Anilkumar, **BK Sarojini**, B Narayana (2006): 2-Bromo-1-(4-methylphenyl)-3-[4-(methylsulfonyl) phenyl] prop-2-en-1-one, Acta Cryst. E: 62 (4), o1659-o1661.
283. WTA Harrison, HS Yathirajan, **BK Sarojini**, B Narayana, KK Vijaya Raj (2006): 2-Bromo-1-chlorophenyl-3-(4-methoxyphenyl) prop-2-en-1-one, Acta Cryst. E: 62 (4), o1578-o1579.
284. WTA Harrison, **BK Sarojini**, KK Vijaya Raj, HS Yathirajan, B Narayana (2006) A redetermination of 1, 5-bis (4-methoxyphenyl) penta-1, 4-dien-3-one at 120 (2)K, Acta Cryst. E: 62 (4), o1522-o1523.
285. K K Vijaya raj, B. Narayana , N. Suchetha kumari, B.V. Ashalatha, **B.K. Sarojini (2006)** Neuropsychobehavioral effects and anticancer activity of some substituted triazole[4,3-a][1,4] benzodiazepines, J. Pharm. Toxicol. 1 (5), 471-477.
286. S.Naveen, M.A Sridhar, J.S. Prasad, J. Indira, K.Gowin, **B.K.Sarojini**, K.K.Vijayaraj (2006): Crystal structure of 6-Methoxy 2-naphthaldehyde, Anal. Sci., 22, x159- x160.

1997-2005

287. WTA Harrison, HS Yathirajan, **BK Sarojini**, B Narayana, HG Anilkumar (2005): Do C-HO and CH interactions help to stabilize a non-centrosymmetric structure for racemic 2, 3-dibromo-1, 3-diphenylpropan-1-one, Acta Cryst. C: 61: o728-o730.
288. WTA Harrison, HS Yathirajan, HG Anilkumar, **BK Sarojini**, B Narayana, KG Lobo (2005): 1-(2-Bromo-5-methoxyphenyl)-8-chloro-6-(2-fluorophenyl)-4H-1, 2, 4-triazolo [4, 3-a][1, 4] benzodiazepine, Acta Cryst. E, 61 (11), o3810-o3812.
289. B Narayana, BV Ashalatha, KK Vijaya Raj, J Fernandes, **BK Sarojini (2005)**: Synthesis of some new biologically active 1, 3, 4-oxadiazolyl nitroindoles and a modified Fischer indole synthesis of ethyl nitro indole-2-carboxylates, Bioorganic & Medicinal Chem. 13 (15), 4638-4644.
290. BS Holla, KV Malini, **BK Sarojini**, B Poojary (2005): A Novel Three-Component Synthesis of Triazinothiazolones, Synthetic comm. 35 (3), 333-340.
291. B Narayana, KK Vijaya Raj, BV Ashalatha, NS Kumari, **BK Sarojini (2004)**: Synthesis of some new 5-(2-substituted-1, 3-thiazol-5-yl)-2-hydroxy benzamides and their 2-alkoxy derivatives as possible antifungal agents, Eur. J. Med. chem., 39 (10), 867-872.
292. BS Holla, BS Rao, **BK Sarojini**, PM Akberali (2004): One pot synthesis of thiazolidihydropyrimidinones and evaluation of their anticancer activity, Eur. J. Med. Chem., 39 (9), 777-783.
293. BS Holla, KV Malini, BS Rao, **BK Sarojini**, NS Kumari (2003): Synthesis of some new 2, 4-disubstituted thiazoles as possible antibacterial and anti-inflammatory agents, Eur. J. Med. chem., 38(3), 313-318.
294. NV Sreekumar, B Narayana, P Hegde, BR Manjunatha, **BK Sarojini (2003)** Determination of nitrite by simple diazotization method, Microchemical journal 74 (1), 27-32.
295. BS Holla, **BK Sarojini**, B S. Rao, B Poojary (2003): Synthesis and reactions of new N-bridged heterocycles derived from 3-substituted-4, 5-diamino-1, 2, 4-triazoles, Indian J. Chem., Sect. B: 42, 2054-2058.
296. BS Holla, BS Rao, R Gonsalves, **BK Sarojini**, K Shridhara (2002): Synthesis of some new biologically active thiadiazolotriazinones-part III, Farmaco II 57 (8), 693.
297. J Indira, PP Karat, **BK Sarojini (2002)**: Growth, characterization and nonlinear optical property of chalcone derivative, J. Cryst. Growth, 242 (1-2), 209-214.

298. BS Holla, **BK Sarojini**, B S Rao, PM Akberali (**2001**):Synthesis of some halogen-containing 1, 2, 4-triazolo-1, 3, 4-thiadiazines and their antibacterial and anticancer screening studies--Part I,Il Farmaco 56 (8),565-570.
299. BS Holla, R Gonsalves, **BK Sarojini**, S Shenoy (**2001**): Synthesis of some new biologically active triazinothiadiazinones,Indian J. Chem., Sect. B: 40 (6), 475-478.
300. BS Holla, **BK Sarojini**, K Shridhara, G Antony(**1999**) : Synthesis of some new biologically active thiadiazolotriazinones-Part II,Il farmaco 54 (3), 149-151.
301. BS Holla, **BK Sarojini**, R Gonsalves (**1998**): Synthesis of some new biologically active thiadiazolotriazinones,Il Farmaco 53 (6), 395-398.
302. BS Holla, R Gonsalves, **BK Sarojini (1997)**:Synthesis of biologically active 4-amino-6-arylmethyl-3-mercapto-1, 2, 4-triazin-5 (4 H)-ones and their Schiff bases,Indian J. Chem., Sect. B: 36 (10), 943-946.