

Associate Professor
Dr. S.M.Sondhi

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Qualification: MSc. PhD

Areas of Interest: Synthetic Heterocyclic Chemistry, Anti-inflammatory and anticancer, agents.

Visits Abroad:

Year	Name of the Institution	Name of Professor with whom worked
May 1981-Aug. 1986	Department of Chemistry, Univ. of Alberta, Edmonton, Canada T6G2G2	Prof. J.W. Lown
Jan. 1992-Dec. 1992	Department of Chemistry, Washington Univ. in St. Louis, Box 1134 St. Louis MO 63130 USA	Prof. J.K. Bashkin
Jan. 1997, Dec. 1997	Department of Chemistry, Univ. of Alberta Edmonton, Alberta, Canada T6G2G2	Prof. J.W. Lown

Professional Experience

- Published seventy two research papers and a few more are at various stages of publication.
- Engaged in research work since September 1972.
- Worked as a Senior Scientific Assistant for more than two years (from August 1977-September 1979) and as a Senior Chemist for more than one and half year (from September 1979 to April 1981) in Research and Development Department, Indian Drugs and Pharmaceuticals Ltd., Hyderabad-500037 (India). During the stay worked on the synthesis of Potential Antiinflammatory Compounds.
- Worked as a postdoctoral fellow (from May 1981 to August 1986) in the Chemistry Department, University of Alberta, Edmonton, Alberta, Canada T6G2G2. During the stay at the University of Alberta. Worked on the synthesis of chromophore modified antitumour antibiotics (Anthracyclines) and Bleomycin functional models i.e. Hemin, Deuterohemin, Porphyrin - Acodazole, Stilbene and Naphthothiophene coupled compounds.
- Worked as a Pool Officer in the Chemistry Department, IIT-Roorkee, Roorkee for one year i.e. (from November 1986 - November 1987).
- Worked as a Lecturer in the Chemistry Department, IIT-Roorkee, Roorkee (from November 1987 to April 8, 1996).
- Was on postdoctoral leave from Chemistry Department, IIT-Roorkee, Roorkee (Jan. 1, 1992 - Dec. 31st, 1992). During my Post Doctoral leave worked in the Department of Chemistry, Washington University in St. Louis, Box 1134, St. Louis MO-63130, U.S.A. under the guidance of Prof. J.K. Bashkin, During my stay worked on the synthesis of potential RNA hydrolysis agents i.e. Nucleoside dipeptides, which involve synthesis and complete connectivity assignments by 2D-NMR.
- Was on post doctoral leave from the Chemistry department, IIT-Roorkee, Roorkee (Jan. 1, 1997 - Dec. 31st 1997). During my post doctoral leave I worked in the Department of Chemistry, University of Alberta, Edmonton, Alberta, Canada T6G2G2 under the guidance of Prof. J.W. Lown. During the stay was engaged in research in the development of potential anticancer agents and in the preparation of two major reviews on drug design for international Journals. I also taught several large classes on introductory Organic Chemistry.
- Worked as Assistant Professor in the Chemistry Department, IIT-Roorkee, Roorkee from April 9,1996 to 17th Feb.2001.
- Working as Associate Professor in the Chemistry Department, IIT-Roorkee, Roorkee since 18th Feb.2001. My field of research is synthesis of heterocyclic compounds of biological interest and analytical applications of heterocyclic compounds.

Life member of Indian Chemical Society and Indian Science Congress Association.

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Number of students working for Ph.D. degree : 4

Number of students completed M.Phil project : 11

Papers published in International / National Journals

Name of the Journal:	Number of Publication
J.Org. Chemistry :	Five
Synthesis :	Two
J.Med. Chem.:	One
Biochemist:	One
Talanta:	One
Bull. Chem. Soc. Jpn.:	Four
Aust. J. Chem.:	Four
New J. Chem.:	One
Drugs Under Experimental and Clinical Research.:	One
Z.Anal. Chem.:	One
Superoxide & superoxide Dismutase in Chemistry & Biology:	One
Phosphours Sulfur and Silicon:	Five
J. Radioanal. Nucl. Chem. Letters :	One
Chem Anal. (Warsaw):	One
Inorganic Chimica Acta:	One
Revue Roumaine De Chimie:	One
Current Medicinal Chemistry:	Two
Pharmacology and Therapeutics:	One
Monatsh:	Three

Electroanalysis:	Two
Indian J. Chem.:	Fifteen
J. Ind. Chem. Soc.:	Six
Indian Drugs:	Six
Indian Patents:	Two
Ind. J. Het. Chem.:	One
Ind. J. Pharm. Sci.:	Two

DETAILS OF PUBLICATIONS

LIST OF PAPER PUBLISHED AND COMMUNICATED

1. Simultaneous Determination of Halides and Thioureas in their mixture. Amjad M. Bhatti, **S.M. Sondhi** and N.K.Ralhan. **Z. Anal. Chem.** **266**, 367-368 (1973), **C.A. 80**, (1974) 22366c.
2. Oxidimetric determination of 2-mercaptopurimidines by periodate. Amjad M. Bhatti, **S.M. Sondhi** and N.K.Ralhan. **J. Indian Chem. Soc.** **50**, 406-407(1973). **C.A. 80**, (1974) 43776 b.
3. Synthesis of Schiff Bases and their Reduction. **S.M. Sondhi**, Amjad M. Bhatti, M. P. Mahajan, and N.K.Ralhan. **J. Indian. Chem. Soc.** **52**, 49-50 (1975). **C.A.83**, (1975) 97112 n.
4. Schiff Bases Part II Acid catalysed addition of Heterocyclic Bases. **S.M. Sondhi**, R.S.Sharma and N.K.Ralhan **Indian J. Chem.** **14B**, 633-635 (1976). **C.A. 86**, (1977) 171304 g.
5. Studies in Heterocyclics, V. Synthesis of Thiazolotriazepines. M. P. Mahajan, **S.M. Sondhi** and N.K.Ralhan **Bull. Chem. Soc. Jpn.** **49**, 2651-2652 (1976). **C.A. 86**, (1977) 29780 r.
6. Studies in Heterocyclics, VI Synthesis of Thiazolobenzotriazepines. M. P. Mahajan, **S.M. Sondhi** and N.K.Ralhan **Bull. Chem. Soc. Jpn.** **49**, 2609-2610 (1976) **C.A.86** (1977) 29779 x.
7. Studies in Heterocyclics, VII Synthesis of Benzothiazolo-Triazepines. **S.M. Sondhi**, M. P. Mahajan and N.K.Ralhan **Indian J. Chem.** **14 B**, 708-709 (1976) **C.A. 86**, (1977) 171403 p.

8. Studies in Heterocyclics, III synthesis of Thiazolotriazepines Mohinder P. Mahajan,**Sham M. Sondhi** and Narender K. Ralhan **Aust. J. Chem.** **30**, 2053-2056 (1977). **C.A.** **88**, (1978) 74382 q.
9. Studies in Heterocyclics, IV Synthesis of Benzopyrimidothiadiazepines.Mohinder P. Mahajan,**Sham M. Sondhi** and Narender K. Ralhan. **Aust. J. Chem.** **30**, 2057-2061 (1977). **C.A.** **88**, (1978) 50818 k.
10. Studies in Heterocyclics Part X Synthesis of 11H Naphtho [1,2-e] thiazolo [3,2-a] Pyrimidines. **S. M. Sondhi** and N.K.Ralhan. **Indian J.Chem.** **15B**, 697-699 (1977), **C.A.** **88**, (1978) 105256 h.
11. Studies in Heterocyclics Part VIII Synthesis of Benzopyrimidothiadiazepines and Naphtho-pyrimidothiazepines.**S. M. Sondhi** , M. P. Mahajan, A. K. Ganda and N.K.Ralhan **Indian J. Chem.** **16B**, 433-435 (1978). **C.A.** **90**, (1979) 22999 t.
12. Benzofuran Derivatives: Synthesis and screening of new benzofuran, 3-methylbenzofuran and 5-methoxy, benzofuran-2-carbamates and carbamides.D. R. Shridhar, C. V. Reddy Sastry K. B. Lal, O. P. Bansal and **S. M. Sondhi** **J.Indian Chem. Soc.** **55**, 910-913 (1978). **C.A.** **90**, (1978) 87163 k.
13. Studies in Heterocyclics: XI Mass Spectral Study of Benzothiazolotriazepines. **S. M. Sondhi**, M. P. Mahajan and N.K.Ralhan **J.Indian Chem. Soc.** **55**, 1269-1272(1978). **C.A.** **93**, (1980) 7090 h.
14. Mass spectral study of 2-Mercapto-pyrimidines. **S. M. Sondhi**, M. P. Mahajan and N.K.Ralhan **J.Indian Chem. Soc.** **56**, 390-392 (1979). **C.A.** **91**, (1979) 192319 j.
15. Studies in Heterocyclics: part IX Synthesis of Thiazolo [3,2-a] quinazolines and Imidazolo [1,2-a] benzimidazoles.**S. M. Sondhi**, M. P. Mahajan and N.K.Ralhan **Indian J.Chem.** **17B**, 632-635 (1979). **C.A.** **93**, (1980) 220688 r.
16. Synthesis and redox properties of chromophore modified glycosides related to anthracyclines J. William Lown, **Sham M. Sondhi**, Sukhendu B. Mandal and John Murphy. **J.Org. Chem.** **47**, 4304-4310 (1982). **C.A.** **97** (1982)163357 p.
17. Regiospecific synthesis of redox inactive ring C-modified aglycones related to anthracyclines. Application of Photo Fries rearrangement and novel nucleophile catalysed rearrangements leading to xantho [2,3-g] tetralin and [2,3-f] tetralin systems. J. William Lown and **Sham M. Sondhi**. **J.Org. Chem.** **49**, 2844-2856 (1984). **C.A.** **101**, (1984) 72497u.
18. Glycosidic coupling of regiospecifically synthesized xantho [2,3-g] tetralin aglycones to afford moderately antileukemic but redox inactive structures related

- to anthracyclines. J. William Lown and **Sham M. Sondhi**. **J.Org. Chem.** **50**, 1413-1418 (1985). **C.A. 102**, (1985) 185369 t.
19. Biophysical studies permitting an approach to a second generation of less cardiotoxic anthracyclines, Lown J.W. , **Sondhi S. M.** , ShauFeng Yen, Plambeck J. A., Peters J. H., Acton E. M. and Gordon G. R. **Drugs. Exp. Clin. Res.** **10**, 735-744 (1984). **C.A. 103**, (1985) 64371 z.
20. Reactive oxygen species including superoxide ion generated from activated anthracyclines and the relationship to cardiotoxicity. J. William Lown, James A. Plambeck, **Sham M. Sondhi** and John H. Peters **Superoxide and superoxide Dismutase, in chemistry Biology and Medicine.**, (Ed. G. Rotilio), Elsevier science publisher (1986), 636-638. **C.A. 106**, (1986), 12482 d.
21. Deoxyribonucleic acid cleavage specificity of a series of acridine and acodazole-Iron Prophyrins as functional bleomycin models. J. William Lown, **Sham M. Sondhi** , Chi- wi Ong, Andrew Skorobogaty, Hiroko KishiKawa and James C. Dabrowiak . **Biochemistry** **25**, 5111-5117 (1986). **C.A. 105**, (1986) 126902 c.
22. 10-Acetyl-10-hydroxyxantho-[2,3-f] tetralin-8-glycosides as angular chromophore analogues of anthracyclines: synthesis, redox properties, microsomal oxygen consumption and antileukemic evaluation. J. William Lown ,**Sham M. Sondhi** and James A. Plambeck. **J.Med.Chem.** **29**, 2235-2241 (1986). **C.A. 105**, (1986) 172875 s.
23. Transannular cyclization of 1,2-Dithia-5, 8-diazacyclodeca-4,8-dienes during borohydride reduction.Alummoottil V. Joshua, John R. Scott., **Sham. M. Sondhi**, Richard G. Ball and J. William Lown. **J.Org. Chem.** **52**, 2447-2451 (1987). **C.A. 107**, (1987) 77766 q.
24. Naphtho [2,1-b] thiophene-linked 1,2-dithia-5,8-diazacyclodecanes and Imidazolidino [1,2-d] dithiazepines : Synthesis, structure proof by X-ray diffraction analysis and DNA Binding Properties **Sham. M. Sondhi**, Pawel Kolodziejczyk, Richard G. Ball and J. William Lown. **J.Org. Chem.** **53**, 4310-4314, (1988). **C.A. 109** (1988) 110395 j.
- 25.P Process for preparing 4-(5-hydroxy imino-methyl-2-furyl and 2-thienyl) phenylalkanoic acid derivatives as antipyretics, analgesics and antiinflammatory and antiarthritics. Dilbagh Rai Shridhar, Cherukuri Venkata Reddy Sastry, Kulbhushan Lal, Om Prakash Bansal, and **Shyam Murari Sondhi** Gazette of india, March 28, 1987 page 213, **INDIAN Patent no. 159118**. **C.A. 108**, (1988) 167289 m.
- 26.P Process for the preparation of 4-(5-substituted-2-furyl and 2-thienyl) phenyl-alkanoic acid as analgesics, antiinflammatory and antipyretics. Dilbagh Rai Shridhar, Cherukuri Venkata Reddy Sastry, Kulbhushan Lal, Om Prakash Bansal,

and **Shyam Murari Sondhi** .Gazette of India March 28, 1987, page 214,
INDIAN patent No. 159119. C.A. 108, (1988) 131573 k.

27. Polyazamacrocycles V. Structure of isomeric 3,5,7,7,10,12,14,14, Octamethyl-1,4,8,11-tetraazacyclotetradecanes.Ramesh Bembi, Sham M. Sondhi, Ashok K. singh, Amrit K. Jhanji, Tapashi G. Roy, J. William Lown and R.G. Ball. **Bull. Chem. Soc. Jpn.** **62**, 3701-3705 (1989). **C.A. 112**, (1990) 216897 b.
28. Thermal Reterogression study of N, N'-substituted Thioureas. Archna Magan, **S. M. Sondhi**, P. P. Singh and N. K. Ralhan. **J.Indian Chem. Soc.** **67**, 476-477 (1990). **C.A.114**, (1991) 143241 n.
29. Synthesis of a series of Acodazole and Naphthothiophene-Deuterioporphyrins and Metalloporphyrins. **Sham M. Sondhi**, Archana Magan and J. William Lown, **Bull. Chem. Soc. Jpn.** **65**, 579-585 (1992). **C.A. 116**, (1992) 173851 v.
30. Analysis for mineral elements of some medicinal plants. Neera Jain, R. K. Shahoo and **S.M.Sondhi**, **Indian Drugs**, **29**, 187-190 (1992) **C.A. 116**, (1992) 231866 s.
31. Determination of mineral elements present in some Medicinal Plants used for the development of health, for the treatment of cough and vomitting, Pyorrhoea and Rheumatic and allied disorder.Mrs. Neera Jain, Kum Archana Magan and **S. M. Sondhi**, **Indian Drugs**. **30** 190-194 (1993), **C.A. 119**, (1993) 125359 f.
32. Synthesis and connectivity assignment (by 2D-NMR) of a nucleoside-dipeptide : 5-[3-[2-[[2-[[[2-amino] - 1-oxo-3 [1H-imidazol-4-yl] propyl] amino]-1-oxo-3 [1H-imidazol-4-yl] propyl] amino] ethyl] amino]-3-oxopropyl]-2'-deoxyuridine. James K. Bhashkin, **Sham M. Sondhi** , Umashankar Sampath, D. Andre' d'Avignon and Anil S. Modak. **New. J. Chem.** **18**, 305-316 (1994). **C.A. 121**, (1994) 180182 j.
33. Antiamoebic and anthelmintic evaluation of heterocyclic compounds containing Nitrogen and/or Sulphur. **S. M. Sondhi**, R. Sahu, Archana Magan, D. K. Ghosh, R. M. Mukhopadhy, G. K. Chaterjee, A. K. Das and S. K. Chaudhari. **Indian Drugs** **31** 317-320 (1994). **C.A. 122**, (1995) 122550 n.
34. Reactions of 4-Isothiocyanato-4-Methyl-2-Pentanone with Amines having functional group at β -Position and Anti-inflammatory Evaluation of Resulting Heterocyclic compounds.Rajesh K. Sahu, Archana Magan, Bina Gupta, **Sham M. Sondhi**, Rikshab C. Srimal and Gyanendra K. Patnaik. **Phosphorus, Sulfur and Silicon.** **88**, 45-51 (1994). **C.A. 121**, (1994) 230686 z.
35. Evaluation of some antiinflammatory pyrimidobenzimidazoles synthesized via Novel Tin (II) chloride - Hydrochloric acid Assisted water addition and reduction of 4,4, 6-trimethyl-1 (2-nitroaryl) 1, 4-dihydropyrimidine-2 (3H)-thiones.**Sham**

M. Sondhi, Archana Magan, Rajesh K. Sahu, Vijendra K. Mahesh, Rakesh Shukla , Gyanendra K. Patnaik. **Synthesis No. 11**. 1175-1180 (1994). **C.A.. 122**, (1995) 81307 t.

36. Synthesis, isomer identification by 2D-NMR and antiinflammatory evaluation of some 9H-imidazolo [1,2-a] benzimidazole and perhydro imidazolo [1,2-d] [1,2,4] dithiazepine derivatives. **S. M. Sondhi**, Archana Magan, V. K. Mahesh, R. C. Srimal and A. K. Goel. **Indian J. Chem. 33B**, 1144-1149 (1994). **C.A. 122** (1995) 13312 z.
37. Determination of mineral elements in some medicinal plants used for the cure of various diseases. Archna Saily, R. Sahu, D. Mohan, B. Gupta and **S. M. Sondhi**. **Indian J. Pharma. Sci. 56**, 186-189 (1994). **C.A. 123** (1995), 18091y.
- 38.R Porphyrins and metalloporphyrins as anticancer agents - A Review. **S. M. Sondhi** and Archana Magan. **Indian J. Het. Chem. 4**, 155-162 (1994). **C.A. 122** (1995) 177486 b.
39. Extraction and spectrophotometric determination of Pd(II) with 3,4,4a 5-tetrahydro-3,3,4a-trimethyl-7 (substituted)-Pyrimido (1,6-a) benzimidazole-1-Thiol (PBT). R. Sahu, **S. M. Sondhi** and Bina Gupta. **Talanta 42**, 401-405 (1995). **C.A.123** (1995) 131489 x.
40. Determination of mineral elements in some Ayurvedic Bhasmas used for the cure of various ailments. **S. M. Sondhi** and G. K. Janani. **Indian Drugs 32**, 125-128 (1995). **C.A. 123** (1995) 123337 c.
41. Extraction and separation of mercury using 3,4,4a, 5-tetrahydro-3,3 4a-trimethyl-7- (substituted) pyrimido [1,6-a] benzimidazole-1-thiol (PBT) and its application to industrial effluents. R. Sahu, **S. M. Sondhi** and Bina Gupta. **J. Radioanal. Nucl. Chem. Letters. 200(6)** 509-520 (1995). **C.A. 123** (1995) 265580 d.
42. Extraction and separation of mercury using 1-(2'-aminoaryl)-4,4 6-trimethyl-1,4,5,6-tetrahydro-6-hydroxy pyrimidine-2-thiol (HPT) and its application to dental amalgam and medicinal sample. R Sahu, **S. M. Sondhi** and Bina Gupta. **Chem. Anal. (Warsaw). 41** 293-300 (1996). **C.A. 124** (1996) 270724 d.
43. Analysis of some Ayurvedic Bhasmas. **S. M. Sondhi**, V. K. Sharma and R. P. Verma. **Indian Drugs. 33** 67-70 (1996). **C.A. 125** (1996) 67982 q.
44. Reactions of 4-isothiocyanato-4-methyl-2-pentanone with substituted o-phenylene diamines and their kinetic studies. **S. M. Sondhi**, Bina Gupta, Rajesh Sahu and R. P. Verma. **Indian J. Chem. 35B**, 572-577 (1996). **C.A. 125** (1996) 85967 t.
45. Anti-inflammatory and analgesic activity evaluation of heterocyclic compounds synthesized by the reaction of 4-isothiocyanato-4-methyl-2-pentanone with

amines.**S. M. Sondhi**, R. P. Verma, Nidhi Singhal, V. K. Sharma, R . K. Shukla and G. K. Patnaik. **Phosphorus Sulphur and Silicon.** **118**, 7-19 (1996).C.A. **127** (1997) 220623m.

46. 1-(2'-Aminoaryl)-4,4,6-trimethyl-1,4,5,6-tetrahydro-6-hydroxy pyrimidine-2(3H)-thione (HPT) as a ligand for the extraction and spectrophotometric determination of Fe (III).R. Sahu, **S. M. Sondhi** and Bina Gupta. **Revue Roumaine De Chimie.** **41**, 695-701 (1996).C.A. **126**(1997) 301156t.
47. Hydrogenation of dinitrosarcophagine Co (III); The crystal structures of Co (II) and Co (III) complexes of diaminosarcophagine.James K. Bashkin, Laura A. Bass, **S. M. Sondhi**, Kerry D. Robinson and Alicia M. Beatty. **Inorganica Chimica Acta**, **253**, 91-95 (1996). C.A. **126** (1997) 65982 m.
48. Synthesis, antiinflammatory and analgesic activity evaluation of some 2-(9-acridinylamino) pyridines and 2-(9-acridinyl amino/imino) thiazolines. **S. M. Sondhi**, Nidhi Singhal, R. P. Verma,Ram Raghbir, A. K. Goel and G. K. Patnaik. **Indian J. Chem. Sec. B.** **36B**, 620-624 (1997). C.A. **128** 102026s (1998).
- 49.R Lexitropsin conjugates: Action on DNA Targets. **S. M. Sondhi**, B. S. Praveen Readdy and J. W. Lown. **Current Medicinal Chemistry**, **4**, 313-358 (1997). C.A. **128** (1998) 43205z.
50. Synthesis and anti -HIV screening of some heterocyclic compounds. **Sham. M. Sondhi**, Rajeswar P. Verma, Vinay K. Sharma, Nidhi Singhal, Jean L. Kraus, Michel Camplo and Jean - Claude Chermann. **Phosphorus Sulphur and Silicon.** **122**, 215-225 (1997). C.A. **128** (1998) 88886p.
51. Synthesis of reversible nucleoside amino acid conjugates.**S. M. Sondhi**, J. Xie, A. S. Modak and J. K. Bashkin. **Indian J. Chem., Sec. B.** **37** B. 1097-1103 (1998).C.A. **130** (1999),223555p.
52. Extractive spectrophotometric determination of Pd (II) with 1-(2'aminoaryl)-4,4,6-trimethyl-1,4,5,6-tetrahydro-6-hydroxy pyrimidine-2-thiol (HPT).Rajesh Sahu, **S. M. Sondhi** and Bina Gupta. **Indian J. Chem. Sec. A.** **37A**, 1140-1143(1998).C.A. **130** (1999) 275873k.
53. Anti-inflammatory and analgesic activity evaluation of some thiocarbamate, thiourea, bisthiourea, acridine, acridone and pyrimidine derivatives, **S. M. Sondhi**, R. P. Verma, Nidhi Singhal, R. Shukla, R. Raghbir and M. P. Dubey. **Indian Drugs** **36**, 50-54 (1999). C.A. **130** (1999), 347033m.
54. Synthesis, antiinflammatory and analgesic activity evaluation of some mercaptopyrimidine and pyrimidobenzimidazole derivatives. **Sham. M. Sondhi**, Vinay K. Sharma, Rajeswar P. Verma, Nidhi Singhal, Rakesh Shukla, Ram

Raghbir and Mangal P Dubey. **Synthesis.** **5**, 878-884 (1999).**C.A. 131** (1999) 73631q.

- 55.R Synthetic DNA minor groove binding drugs. B.S. Praveen Reddy, **S.Murari Sondhi** and J. William Lown. **Pharmacology and Therapeutics.** **84**,1-111 (1999). **C.A. 132** (2000) 18345x
56. Synthesis and antiinflammatory activity evaluation of some acridinyl amino antipyrine, acridinyl amino anthraquinone, acridino thiourea and thiazolino thiourea derivatives.**S. M. Sondhi**, Vinay K. Sharma, Nidhi Singhal, R. P. Verma, R. Shukla, R. Raghbir and M. P. Dubey. **Phosphorus, Sulphur and Silicon** **156** 21-33 (2000). **C.A. 133** (2000) 266779u
- 57 Anti- HIV, antibacterial and antifungal potential of a variety of heterocyclic compounds containing N and/or sulphur. **S. M. Sondhi**, R. P. Verma, Nidhi Singhal, V. K. Sharma, C. Husiu, L. Vargiu, S. Longu and P. La Colla. **Indian J. Pharm. Sci.** **62**, 71-76 (2000). **C.A. 134** (2001) 141365v.
- 58 Synthesis and antiinflammatory and anticancer activity evaluation of some condensed pyrimidines.**Sham M. Sondhi**, Nidhi Singhal, Rajeshwar P. Verma, Sudershan K. Arora, Rakesh Shukla and Ram Raghbir. **Monatsh Chem.,131**, 501-509(2000). **C.A.133** (2000) 237955t.
59. Synthesis and anticancer, antiinflammatory and analgesic activity evaluation of some sulpha drug and acridine derivatives **S. M. Sondhi**, Monika Johar, Nidhi Singhal, Sunanda G. Dastidar, R. Shukla and R. Raghbir. **Monatsh Chem., 131**, 511-520 (2000). **C.A. 133** (2000) 252388d.
60. Synthesis, characterization and Hg(II) ion selectively of 1-(2-nitro-4-methyl phenyl)-6-methyl-6-methoxy-1,4,5,6-tetrahydropyrimidine-2(3H)thione(TPT). A.K.Jain, S.M.Sondhi and V.K.Sharma. **Electroanalysis** **12**, 301-305(2000),**C.A. 132** (2000) 273448t.
- 61 Synthesis of hemin and porphyrin derivatives and their evaluation for anticancer activities.**Sham M. Sondhi**, Nidhi Singhal, Rajeshwar P. Verma , Sudershan K. Arora and Sunanda G.Dastidar. **Indian J. Chem. Sec. B**, **40B**, 113-119(2001). **C.A. 135** (2001) 13517e.
- 62 Synthesis of amidine and bis amidine precursors. Nidhi Singhal, Monika Johar, J.W. Lown and **S.M. Sondhi**, **Phosphorus, Sulphur and Silicon**, **174** 81-92 (2001).
- 63 Anticancer, antiinflammatory and analgesic activity evaluation of heterocyclic compounds synthesized by the reaction of 4-isothiocyanato-4-methylpentan-2-one with substituted o-phenylenediamines, o-diaminopyridine and (un)substituted o-

diaminopyrimidines. **Sham M.Sondhi**, Monika Johar, Shefali Rajvanshi, Sunanda G. Dastidar, Rakesh Shukla, Ram Raghbir and J.W.Lown. **Aust. J. Chem.** **54** 69-74 (2001).

- 64 Synthesis, antiinflammatory, analgesic and anti-amoebic activity evaluation of some pyrimodobenzimidazole and pyrimidopyridoimidazole derivatives. **Sham M.Sondhi**, Monika Johar, Rakesh Shukla, Ram Raghbir, Neelam Bharti and Amir Azam. **Aust. J. Chem.** **54**, 461-467(2001).
- 65 Synthesis and anticancer activity evaluation of some hemin and hematoporphyrin derivatives. **Sham M.Sondhi**, Shefali Rajvanshi, Monika Johar and Sunanda G Dastidar. **Indian J. Chem. Sec.B** **41B**, 388-393.(2002).
- 66 A PVC based Hematoporphyrin IX membrane potentiometric sensor for Zinc(II). Ajay K.Jain, **Sham M.Sondhi** and Shefali Rajvanshi. **Electroanalysis** **14**, 293-296 (2002).
- 67R Heterocyclic Compounds as inflammation inhibitors :- A Review. **Sham M.Sondhi**, Nidhi Singhal, Monika Johar, B.S.Narayan Reddy and J.William Lown. **Current Medicinal Chemistry**, **9** 1045-1074, (2002).
68. Synthesis of sulpha drug acridine derivatives and their evaluation for anti-inflammatory, analgesic and anticancer activity. **S.M.Sondhi**, Monika Johar, Rakesh Shukla, Ram Raghbir and Sunanda G Dastidar. **Indian J. Chem. Sec.B** **41B**, 2659-2666(2002).
69. Antiinflammatory, analgesic and antiamoebic activity evaluation of pyrimido[1,6-a]benzimidazole derivatives synthesized by the reaction of ketoisothiocyanates with mono and diamines. **Sham M.Sondhi**, Shefali Rajvanshi, Monika Johar, Neelam Bharti, Amir Azam and Ashok K. Singh, **Eur.J.Med.Chem.** **37**, 835-843 (2002).
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