

Complete List of Research Publications: Dr. Kamaljit Singh

Sr. No	Title of the paper	Authors	Name of the Journal & (Impact factor)	Year	Volume	Pages	Published / In press
							Review articles
62.	Removal of synthetic textile dyes from wastewaters: A critical review on current treatment technologies	Kamaljit Singh and Sucharita Arora	Critical Rev. Environ. Sci. & Technol. (4.615)	2009	--	accepted	62
61.	An efficacious protocol for C-4 substituted 3,4-dihydropyrimidinones. Synthesis and calcium channel binding studies	Kamaljit Singh, Divya Arora, Danielle Falkowski, Qingxin Liu and Robert S. Moreland	Eur. J. Org. Chem. (2.914)	2009	--	3258-3264	4
60.	Chemical resolution of inherently racemic dihydropyrimidinones via a site selective functionalization of Biginelli compounds with chiral electrophiles. A case study	Kamaljit Singh and Sukhdeep Singh	Tetrahedron (2.869)	2009	65	4106-4112	
59.	Magnesium/Methanol: An effective reducing agent for chemoselective reduction of pyrimidine-2(1H)-ones	Kamaljit Singh and Kawaljit Singh	Tetrahedron Lett. (2.615)	2009	50	2219-2221	
58.	N1-Alkylated 3,4-dihydropyrimidine-2(1H)-ones: Convenient one-pot selective synthesis and evaluation of their calcium channel blocking activity	Kamaljit Singh, Divya Arora, Elizabeth Poremsky, Jazmyne Lowery and Robert S. Moreland	Eur. J. Med. Chem. (2.301)	2009	44	1997-2001	
57.	A triarylmethane dye selectively detects cyanide, in solution and when dyed on textile substrate	Paramjit Kaur, Divya Sarin, Sandeep Kaur and Kamaljit Singh	Inorg. Chem. Commun. (1.850)	2009	12	272-275	
56.	Genesis of dihydropyrimidinone calcium channel blockers: Recent progress in structure activity relationships and other effects	Kamaljit Singh, Divya Arora, Kawaljit Singh and Sukhdeep Singh	Mini Rev. Med. Chem. (3.060)	2009	9	95-106	
55.	An efficacious protocol for the oxidation of 3,4-dihydropyrimidin-2(1H)-ones using pyridinium chlorochromate as a catalyst	Kamaljit Singh and Kawaljit Singh	Aust. J. Chem. (2.360)	2008	61	910-913	

54.	Unprecedented single-pot protocol for the synthesis of N1, C6-linked bicyclic 3,4-dihydropyrimidinones via lithiation of Biginelli compounds	Kamaljit Singh and Sukhdeep Singh	Tetrahedron (2.869)	2008	64	11718-11723
53.	Selective Lithiation of Bis(furan-2-yl)methane: An Efficient Protocol for Novel meso-Functionalised Synthones	Kamaljit Singh and Amit Sharma	Tetrahedron Lett. (2.615)	2008	49	6234-6236
52.	Highly selective colorimetric sensor for Zn ²⁺ based on hetarylazo derivative	Paramjit Kaur, Sandeep Kaur, Aman Mahajan and Kamaljit Singh	Inorg. Chem. Commun. (1.850)	2008	11	626-629
51.	A selective and sensitive "Naked Eye" anion detector based on an imine- π -TCNQ assembly	Paramjit Kaur, Sandeep Kaur and Kamaljit Singh	Tetrahedron Lett. (2.615)	2007	48	7191-7193
50.	Synthesis of meso-aryl substituted porphyrins. Simple and high yielding modification of the Adler procedure	Kamaljit Singh, Amit Sharma, Sonia Behal and Paramjit Kaur	Letts. Org. Chem. (1.0)	2007	4	374-377
49.	Highly regio- and chemoselective addition of carbon nucleophiles to pyrimidinones. A new route to C4-elaborated Biginelli compounds	Kamaljit Singh, Divya Arora and Sukhdeep Singh	Tetrahedron Lett. (2.615)	2007	48	1349-1352
48.	An unprecedented regioselective lithiation of dipyrromethanes. Synthesis of meso-functionalised dipyrromethanes	Kamaljit Singh and Amit Sharma	Tetrahedron Lett. (2.615)	2007	48	227-229
47.	Single crystal x-ray structure determination of some heterocyclic monoazo disperse dyes	Kamaljit Singh, Aman Mahajan and ward T. Robinson	Dyes & Pigments (2.507)	2007	74	95-105
46.	Decolorisation optimization of a monoazo disperse dye with Bacillus firmus. Identification of degradation products.	Sucharita Arora, Harvinder Singh Saini and Kamaljit Singh	Color. Technol. (0.843)	2007	123	184-190
45.	Solvent assisted dyeing of polyester with Henna	Kamaljit Singh, Varinder Kaur, Sameer Mehra and Aman Mahajan	Colourage	2006	LIII(10)	60-64
44.	Mild and practical method for regioselective synthesis of N-acylated 3,4-dihydropyrimidin-2-ones. New acyl transfer reagents	Kamaljit Singh and Sukhdeep Singh	Tetrahedron Lett. (2.615)	2006	47	8143-8146

43.	Dowex-promoted general synthesis of N,N'-disubstituted-4-aryl-3,4-dihydropyrimidinones using a solvent-free Biginelli condensation protocol	Kamaljit Singh, Divya Arora and Sukhdeep Singh	Tetrahedron Lett. (2.615)	2006	47	4205-4207
42.	A solvent – free sonochemical preparation of Biginelli 3,4-dihydropyrimidinones	Kamaljit Singh, Sukhdeep Singh, Aman Mahajan, and Paramjit Kaur	Letts. Org. Chem. (1.0)	2006	3	201-203
41.	Coenzyme 5,10-methylene and methenyltetrahydrofolate models in organic synthesis	Kamaljit Singh and Harjit Singh	Advances in Heterocyclic Chemistry (Chapter 3)	2006	91	163-192
40.	Metalation of Biginelli compounds. A general unprecedented route to C-6 functionalised 4-aryl-3,4-dihydropyrimidinones	Kamaljit Singh, Sukhdeep Singh and Aman Mahajan	J. Org. Chem.	2005	70	6114-6117
39.	Efficient and versatile single pot approach to dipyrromethanes and bis(heterocyclyl)methanes	Kamaljit Singh, Maninder Singh Hundal and Sonia Behal	Tetrahedron	2005	61	6614-6622
38.	A simple and versatile alternative approach to dipyrromethanes and tetra-meso-aryl porphyrins	Kamaljit Singh, Sonia Behal and Prasant K. Deb	Synthetic Commun.	2005	35	929-934
37.	Decolourization of a monoazo disperse dye with <i>Candida tropicalis</i> .	Sucharita Arora, Harvinder Singh Saini and Kamaljit Singh	Color. Technol.	2005	121	298-303
36.	Analysis of macro- and micronutrients of filter cake of sugar factories using inductively coupled argon plasma atomic emission spectrometry	Kamaljit Singh, Gurinder Singh Buttar and Paramjit Kaur	Cooperative Sugar	2005	36	557-562
35.	2-(Arylsulfinylmethyl)oxazinanes: Chiral carbonyl equivalents. Application to the asymmetric synthesis of 1,2,3,4-tetrahydro- β -carbolines	Kamaljit Singh, Sonia Behal and Prasant K. Deb	Tetrahedron	2004	60	9171-9177
34.	X-Ray crystal structure of 2-{2-acetylamino-4-[bis-(2-methoxycarbonylethyl)amino]-4-phenylazo}-4-methylthiazole-5-carboxylic acid ethyl ester	Kamaljit Singh, Sarbjit Singh, P. K. Garg and M. S. Hundal	Color. Technol.	2004	120	72-76

33.	Monoazo disperse dyes- Part 4: Synthesis, colour constitution relationships and technical evaluation of monoazo red disperse dyes derived from aniline derivatives	Kamaljit Singh, Sarbjit Singh, Aman Mahajan and Paramjit Kaur	Colourage	2004	July	31-41
32.	Studies in Extraction and Chemical Analysis of filter cake of sugar industry in Punjab	Kamaljit Singh and Gurinder Singh Buttar	International Sugar Journal	2004	106	101-105
31.	Monoazo disperse dyes- Part 3: Synthesis and fastness properties of some novel 4,5 disubstituted thiazolyl-2 azo disperse dyes	Kamaljit Singh, Sarbjit Singh, Aman Mahajan and John A. Taylor	Color. Technol.	2003	119	198-204
30.	Monoazo disperse dyes- Part 2. Colour-constitution relationships of some novel blue disperse dyes	Kamaljit Singh, Sarbjit Singh, John A. Taylor	Color. Technol.	2003	119	158-163
29.	Monoazo disperse dyes- Part 1: Synthesis, spectroscopic studies and technical evaluation of monoazo disperse dyes derived from 2-aminothiazoles	Kamaljit Singh, Sarbjit Singh and John A. Taylor	Dyes & Pigments	2002	54	189
28.	A Time Study to Monitor ICUMSA Color of Plantation White Sugar in Godown	Kamaljit Singh, Gurinder Singh Buttar and Jorawar Singh	Indian Sugar	2002	LII	247-251 (Special article)
27.	Effect of Cane Wax on Cane Juice Settling, Turbidity and ICUMSA Color	Kamaljit Singh and Gurinder Singh Buttar	International Sugar Journal	2002	104	440-444
26.	Synthesis and application of Bunte-salt terminated surface active agents to confer improved performance & shrink-resistance to wool fabric	Kamaljit Singh, Sarbjit Singh, Sanjeev Kumar and John A. Taylor	Colourage	2002	XLIX	21-24
25.	The German Ban– A realistic appraisal	Kamaljit Singh, Sarbjit Singh and Bhupendra Singh Butola	Colourage	2002	January	43-47
24.	Tetracyanoquinodimethane derivatives of pentagonal bipyramidal complexes of Mn(II), Fe(II), Ni(II) and Cu(II) with 2,6-diacetyl pyridinebis(semicarbazone): Single crystal structure of Dichloro[2,6-diacetylpyridinebis(semicarbazone)]Manganese(II) monohydrate	Paramjit Kaur, Jyoti, Ward T. Robinson and Kamaljit Singh	J. Coord. Chem.	2002	55	281-285

23.	Modified Pictet-Spengler reaction. A highly Diastereoselective approach to 1,2,3-trisubstituted-1,2,3,4-tetrahydro- β -carbolines using perhydro-1,3-heterocycles	Kamaljit Singh, Prasant K. Deb and P. Venugopalan	<i>Tetrahedron</i>	2001	57	7939-7949
22.	2-Arylsulfinylmethyl oxazines. Chiral carbonyl equivalents	Kamaljit Singh, Prasant K. Deb and Sonia Behal	<i>Heterocycles</i>	2001	53	1937-1942
21.	Pictet- Spengler reaction. Is carbonyl the best choice? A highly Diastereoselective synthesis of <i>trans</i> - 1,3-disubstituted tetrahydro- β -carbolines	Kamaljit Singh and Prasant K Deb	<i>Tetrahedron Lett.</i>	2000	41	4977-4980
20.	A highly Diastereoselective synthesis of D-erythrospingosine	Noureddine Khiar, Kamaljit Singh, Mercedes Garcia and Manuel Martin-Lomas	<i>Tetrahedron Lett.</i>	1999	40	5779-5782
19.	An expedient protocol of Biginelli dihydropyrimidine synthesis using carbonyl equivalents	Kamaljit Singh, Jasbir Singh, Prasant K. Deb and Harjit Singh	<i>Tetrahedron</i>	1999	55	12873-12880
18.	A versatile approach to <i>trans</i> - 1,3-disubstituted tetrahydro- β -carbolines using oxazinanes	Kamaljit Singh and Prasant K. Deb	<i>Heterocycles</i>	1999	51	1509-1512
17.	A novel synthesis of functionalised aldehydes equivalents through addition of carbanions on Δ^2 -oxazolinium cations	Kamaljit Singh, Jasbir Singh and Harjit Singh	<i>Tetrahedron</i>	1998	54	3567-3574
16.	Carbon transfer reactions of functionalised oxazolidines and their open-chain enamine tautomers to enamine nucleophiles. A facile synthesis of substituted pyridines and ring annulated derivatives	Kamaljit Singh, Jasbir Singh and Harjit Singh	<i>Tetrahedron</i>	1998	54	935-942
15.	Synthesis and characterization of mixed valence copper (I)-copper (II) complexes of N, S donor ligands and their 7,7', 8, 8'-tetracyanoquinodimethane derivatives	Paramjit Kaur, Loreto Ballester, S. S. Parmar and Kamaljit Singh	<i>Trans. Met. Chem.</i>	1998	23	573-576
14.	Are natural dyes safer than synthetic dyes?	Kamaljit Singh and S. S. Parmar	<i>Textile Trends</i>	1998	XL	24-29
13.	Chemical enzymatic synthesis of ligands of E-selectin	Kamaljit Singh	<i>Indian J. Chem.</i>	1997	36B	845-859
12.	A synthetic entry into fused pyran derivatives through carbon transfer reactions of 1,3-oxazinanes and oxazolidines with carbon nucleophiles	Kamaljit Singh, Jasbir Singh and Harjit Singh	<i>Tetrahedron</i>	1996	52	14273-14280

11.	An efficacious synthesis of functionalised oxazolidines and their open chain enamine tautomers	Kamaljit Singh, Jasbir Singh and Harjit Singh	Indian J, Chem.	1996	35B	881-882
10.	Oligosaccharides structurally related to E-selectin ligands are inhibitors of neural cell division: Synthesis, conformational analysis and biological activity	J. M. Coteron, Kamaljit Singh, J. L. Asensio, M. D.- Dalda, A. F.- Mayoralas, J. J.- Barbero and M. Martin-Lomas	J. Org. Chem.	1995	60	1502-1518
9.	Synthesis of oligosaccharides structurally related to E-selectin ligands	Kamaljit Singh, Alfonso Fernandez Mayoralas and M. Martin – Lomas	J. Chem. Soc., Chem. Commun.	1994	-	775-776
8.	Carbon transfer reactions with Heterocycles. Part 7. A facile synthesis of unsymmetrically substituted 1,4-dihydropyridines	Harjit Singh, Kamaljit Singh, Paramjit Kaur and Pankaj Sarin	J. Chem. Res (S).	1993	-	120-121
7.	Spectrophotometric determination of 6-Aminopenicillanic acid by copper sulphate pentahydrate.	Kamaljit Singh	Indian J. Tech.	1993	31	613-614
6.	Reactions of sodium borohydride with benzothiazolium and Δ^2 -thiazolinium cations. Formation of benzothiazolines, thiazolidines and stable thiazaboroles	Harjit Singh, Rakesh Sarin (in part), Kamaljit Singh, Rosalinda Contreras and Guillermo Uribe	Tetrahedron	1989	45	5193-5202
5.	Carbon transfer reactions with heterocycles. Part 6. A facile synthesis of Nifedipine and analogues	Harjit Singh and Kamaljit Singh	Tetrahedron	1989	45	3967-3974
4.	Carbon transfer reactions with heterocycles. Part 5. Pictet- Spengler reaction using perhydrooxazines. A facile synthesis of (\pm) calycotomine and analogues	Harjit Singh and Kamaljit Singh	Indian J. Chem.	1989	28B	802-805
3.	Carbon transfer reactions with heterocycles. Part 4. Synthetic equivalence of perhydrooxazines with carbonyl compounds. A facile synthesis of streptindole and analogues	Harjit Singh and Kamaljit Singh	Tetrahedron	1988	44	5897-5904
2.	Carbon transfer reactions with heterocycles. Part 2. Carbon transfer reactions of thiazolidines and benzothiazolines	Harjit Singh, Rakesh Sarin and Kamaljit Singh	Indian J. Chem.	1988	27B	132-134

1. One carbon unit transfer to enamines through oxazolidines and tetrahydro – 2H- 1,3- oxazines. Harjit Singh, Rakesh Sarin and Kamaljit Singh Heterocycles 1986 24 3039-3042