Curriculum Vitae – Dr. Kamaljit Singh, Former Professor

1. General Information of Applicant

Name (In Capital Letters)	KAMALJIT SINGH
Date of Birth (Day/Month/Year)	29th January 1964
Correspondence Address	17, Guru Amardas Avenue, Lane 1, Block C, Ajnala Road, Amritsar 143 008, India
Phone No.	Mobile No.: 9914006662 Landline No. -
Email	kamaljit.chem@gndu.ac.in, kamaljit19in@yahoo.co.in

2. Present Position

Designation	Professor (Retired)
Organization	Department of Chemistry, Guru Nanak Dev University, Amritsar, India
Pay Scale	Rs 1,44,200-2,18,200
Date of Appointment to the Present post	26th July 2003
Total Experience (In years and Months)	21 years 5 days (As Professor) 33 years 4 months and 10 days (Total teaching/research experience)

3. Details of experience possessed as per eligibility criteria

(10 years' Professorship or equivalent as per UGC Regulations on Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for Maintenance of Standards in Higher Education 2010 and subsequent modifications)

S. No.	Post held	Pay Scale	Organization	Nature of duties	Experience (In Years and Months)
1.	Dean Academic Affairs	Appointment as Professor with honorarium of Rs 10,000 per month	Guru Nanak Dev University, Amritsar	Administration	1 year 7 months and 8 days (Officiated as Vice Chancellor during the leave periods of the regular Vice-Chancellor
2.	Dean, Faculty of Applied Sciences	Statuary appointment on seniority basis	Guru Nanak Dev University, Amritsar	Handling academic matters of the Faculty	02 months, 14 days
3.	Dean, Faculty of Sciences	Statuary appointment on seniority basis	Guru Nanak Dev University, Amritsar	Handling academic matters of the Faculty	2 Years
4.	Dean, Faculty of Management, Economics, Home Science etc.	As Dean Academic	Guru Nanak Dev University, Amritsar	Handling academic matters of the Faculty	During Dean Academicship
5.	Founder Director IQAC	Additional charge	Guru Nanak Dev University, Amritsar	Meetings, preparation of AQAR report etc.	3 years 6 monts and 30 days
6.	Director, UGC-HRDC	Additional charge	Guru Nanak Dev University, Amritsar	Organization of Orientation and refresher courses	3 months and 20 days
7.	Director, Capacity Enhancement	Additional charge	Guru Nanak Dev University, Amritsar	Handling academic issues of Private colleges affiliated to University	21 days

8.	Coordinator, National Resource Centre (NRC, MHRD)	Additional charge	Guru Nanak Dev University, Amritsar	Preparation and launch of online SWAYAM video lectures	Over 3 years and counting
9.	Coordinator Special Assistance Programme-UGC	Additional charge	Department of Applied Chemical Sciences & Technology	Purchase of Sophisticated instruments, creating infrastructure and Human resource.	2 years

4. Educational Qualifications (In chronological order from latest to graduation level)

S. No.	Qualification	University	Year	Subject(s)	% Achieved	Distinction etc.
1.	Ph.D.	Guru Nanak Dev University, Amritsar	1989	Organic Chemistry	Not applicable	Not applicable
2.	M.Sc. (Hons. School)	Guru Nanak Dev University, Amritsar	1985	Organic Chemistry	CGPA 4.26/6.0	Bracketed topper in 2nd semester
3.	B.Sc. (Hons. School)	Guru Nanak Dev University, Amritsar	1982	Chemistry	CGPA 3.92/6.0	-

5. Administrative Experience/Posts and responsibilities held

S. No.	Post	Organization/University	Duration		Experience (In years and Months)
			From (Date)	To (Date)	
1.	**Head of the Department**	Department of Applied Sciences and Technology, Guru Nanak Dev University	01.07.2006 01.04.2011 01.07.2011	30.06.2009 30.06.2011 31.03.2013	3 years 3 Months 1 Year 9 Months (Total 5 years)
2.	**Chairman Board of Studies**	Guru Nanak Dev University	01.07.2016	30.06.2018	2 years
3.	**Dean of Faculty**	(i) Faculty of Applied Sciences	18.01.2013	31.03.2013	02 Months, 14 days
		(ii) Faculty of Sciences	01.07.2016	30.06.2018	2 years
		(iii) Other faculties Management, Economics etc.	-	-	During tenure as Dean Academics
4.	**Member of Academic Council**	Guru Nanak Dev University -do-	01.07.2006 01.07.2012 01.07.2016	30.06.2010 30.06.2014 30.06.2018	4 years 2 years 2 years
		KMV (Autonomous college)	17.10.2017	23.11.2019	2 years 1 month
5.	**Member of Professional/Academic bodies**	Member, National Academy of Sciences	2006	Continuing	-
		Life member, Chemical Research Society of India	1999	Continuing	-
		Life member, Punjab Academy of Science (L032)	1996	Continuing	-
6.	**Member of Finance Committee**	Guru Nanak Dev University	20.09.2016	30.06.2018	1 Year 9 Months, 11 days
7.	**Member of University Senate**	Guru Nanak Dev University	01.07.2016	30.06.2018	2 years
8.	**Member of UniversitySyndicate**	-	-	-	As a member during Dean Academicship

9.	**Chairman, Board of Control in Applied Chemical Sciences & Technology**	-do-	01.07.2006	30.06.2009	3 years
10.	**Member, Board of Studies (UG/PG) Chemistry**	-do-	01.07.2014	30.06.2016	2 years
11.	**Member Board of Control in Applied Chemical Sciences and Technology**	-do-	01.04.1996 01.07.2009	30.06.2006 30.06.2013	10 years 4 years
12.	**Member Board of Control in Chemistry**	-do-	01.07.2014 01.07.2017 01.07.2020	30.06.2015 30.06.2018 30.06.2021	1 year 1 year 1 year
13.	**Member, Faculty of Applied Sciences**	-do-	01.07.1998	31.03.2013	14 years 9 months
14.	**Member, Faculty of Sciences**	-do-	01.07.2014 01.07.2018 01.07.2020	30.06.2016 30.06.2020 30.06.2022	2 years 2 years 2 years
15.	**Member, Board of Studies**	Central University of Jammu	23.03.2017	23.03.2020	3 years
16.	**Member, Curriculum Development Committee**	Central University of Himachal Pradesh	During 2017-18	-	2 years
17.	**Member of the Revising Committee**	Guru Nanak Dev University	01.07.2016	30.06.2018	2 years
18.	**Subject expert (Selection committees)**	NIPER, Mohali, MS University Vadodra, Kashmir University, Dehli University, HP University etc	-	-	-
19.	**VC's Nominee/Subject expert in selection committees of Assistant Professors, Principals, CAS promotions**	Affiliated colleges	2017	Continued	More than 30 times

6. (a) Academic/Teaching experience & responsibilities (In chronological order from the latest to oldest)

S. No.	Post	Organization/University	Duration		Experience (In Years and Months)
			From (Date)	To (Date)	
1.	Professor	Department of Chemistry, Guru Nanak Dev University, Amritsar	26.07.2003	30.6.2024	21 years, 05 days
2.	Reader	Department of Applied Chemical Sciences and Technology, GNDU	25.07.1995	25.07.2003	8 years, 1 day
3.	Lecturer	Department of Textile Chemistry and Department of Applied Chemistry, GNDU	14.02.1991	25.07.1995	4 years, 5 months and 12 days

(b) Participation and contribution in relevant areas in higher education

	Organization	Area of Specialization
Visiting Professor/ AdjunctFaculty	**(i) INSA-RSC Exchange fellow** University of Manchester Institute of Science and Technology (UMIST) and University of Leeds, UK (12.08.1998 – 12.11.1998 - 3 months)	Colour Chemistry and Technology
	(ii-iv) British Council Visiting fellow University of Manchester Institute of Science and Technology (UMIST) and University of Leeds, UK (03.07.2000 – 22.08.2000 - 1 month, 20 days) (17.10.2001 – 17.12.2001 - 2 months) (11.02.2003 – 11.04.2003 - 1 month)	Colour Chemistry and Technology
	(iv) Brain-Pool visiting fellow Department of Chemistry, Kangwon National University, Chun-Cheon, South Korea (27.11.2014 – 27.02.2015 - 3 months)	Materials Chemistry
Resource Person	Resource person for HRDC of GNDU and several other Universities	
Others (Specify)	**LEAP participant** Harvard Graduate School of Education, Harvard University, Cambridge, USA (06.03.2019-10.03.2019)	Nominated by MHRD

(c) Involvement with formulation of academic programmes

S. No.	Nomenclature of the New Academic Programmes formulated	Date of approval of Academic Council	Year of Introduction
1.	M.Sc. Applied Chemistry (Pharmaceuticals)	1991	1991
2.	B.Sc. (Hons. School) Textile Chemistry	1995	1995
3.	B.Tech (Textile Chemistry)	1998	1998
4.	UG and PG courses of Chemistry	Periodically	Periodically
5.	Established Textile Industrial Service Centre in GNDU	-	-

(d) Important MoUs formulated for academic collaborations

S. No.	MoUs formulated	Name of the Agencies/Departments involved	Year of MoU
1.	Between GNDU and Punjab Remote Sensing Centre (PRSC), Ludhiana	GNDU and PRSC	03.05. 2018
2.	Between GNDU and Hotel Radisson Blu & Park Inn	GNDU and Hotel Radisson Blu and Park Inn	03.08. 2018
3.	Between GNDU and Punjab Heritage & Tourism Promotion Board	GNDU and Punjab Heritage & Tourism Promotion Board	01.05.2018
4.	Between GNDU and PHD Chamber of Commerce & Industry, New Delhi	GNDU and PHD Chamber of Commerce & Industry, New Delhi	06.04.2018
5.	Between GNDU and Punjab Police	GNDU and Punjab Police	30.04.2018

(e) Position of Chairs

S. No.	Name of Chair	Name of Agencies / Departments involved	Period of holding theChair
1.	Founder Director IQAC	Guru Nanak Dev University	3 years 6 months and 30 days
2.	Director UGC-HRDC	-do-	3 months and 20 days
3.	Director, Capacity Enhancement	-do-	21 days
4.	Coordinator Special Assistance Programme-UGC	-do-	2 years
5.	Coordinator, National Resource Centre, MHRD	-do-	Over 2 years
6.	Chairman, Board of studies in Home Science	-do-	2 years
7.	Chairman, Board of Control in Applied Chemical Sciences & Technology	-do-	3 years

7. International academic Exposure, if any

S. No.	Post / Assignment	Organization / University	Area of Assignment	Duration		
				From	To	In Years Months
1.	Post-Doctoral Fellowship	National Institute of Organic Chemistry (CSIC), Madrid, Spain (sponsored by Ministry of Education and Science, Spain)	Carbohydrate Chemistry	01.01.1993	30.12.1994	2 years
2.	LEAP Participant (nominated by MHRD)	Harvard Graduate School of Education, Harvard University, Cambridge, USA	Education	06.03.2019	10.03.2019	5 days
3.	Exchange fellow	University of Manchester Institute of Science and	Research in Colour Chemistry &	12.08.1998	12.11.1998	3 months

		Technology (UMIST), Manchester, UK (nominated by Indian National Science Academy-The Royal Society, London)	Technology			
4.	Visiting Fellow	University of Manchester Institute of Science and Technology, Manchester, UK (nominated by The British Council, UK)	Research in Colour Chemistry & Technology	03.07.2000 17.10.2001 11.03.2003	22.08.2000 17.12.2001 11.04.2003	1 month 20 days 2 months 1 month
5.	Visiting fellow	Kangwon National University, Chun-Cheon, South Korea	Research project and lectures	27.11.2014	27.02.2015	3 months

8. Scholarly achievements:

A. Contributions to Journals and Books:
B. Publications:

	Details
Books Authored/Edited	Book Chapters: 05 (Foreign Publishers)
Journals – Editorship/Editor-in-Chief/PeerReviewer for	Reviewer to International Journals: J. Am. Chem. Soc., J. Org. Chem., Org. Lett., Tetrahedron Lett., Dyes and Pigments, ARKIVOC (ARKAT), SynLett, Coloration Tech., Organic Process Research & Development, Applied Catalysis A, Canadian J. Chem., Mini Rev. Org. Chem., Eur. J. Med. Chem., Aust. J. Chem., Stru. Chem., Syn. Commun. J. Photochem. Photobiol., Spectrochem. Acta,, J. Het. Chem., Bioorg. Med. Chem. Lett. Coord. Chem. Rev. etc.
Others (Specify)	Member, Editorial Board of Reviewers of ARKIVOC. Member, editorial Board, *Scientific Reports"* Springer Nature Publishing, Group (https://srepeditorialsite.nature.com/)

B.I Kindly provide list of scholarly publications in recognized professional and/or academic journals:

Total Publications: 172 (Scopus *h*-index: 40) (i10-index: 108) (Orcid id: https://orcid.org/0000-0002-9752-3363) (Scopus citations: 5062) (December 2024)

S. No.	Year	Authors and Title	Name of Journal (year, volume and page number)	Whether Refereed or not	Number of Citations
172.	2024	Parth Juneja, Sofia Santana, Catarina Rôla, Carla Bastos Oliveira, Miguel Prudêncio, Kamaljit Singh, and Diana Fontinha, Antiplasmodial and insecticidal activities of third-generation ivermectin hybrids	J. Med. Chem 2024, 67, 22, 20224-20241	Yes	-
171.	2024	Lovepreet Singh and Kamaljit Singh. The hybrid antimalarial approach: A roadmap	The Annual Reports In Medicinal Chemistry Series 2024, Chapter 1, volume 62, 1-18	Yes	-
170.	2024	Megha, Paramjit Kaur, and Kamaljit Singh, Imidazole-based probe for the "light-up" detection of hypochlorite ion based on protonation-deprotonation strategy: Applications in real samples.	Dyes and Pigments. 2024, 228, 112249	Yes	-
169.	2024	Megha, Paramjit Kaur and Kamaljit Singh, Imidazole-based Solid-State Fluorescence Switch: Stimuli-responsive Emission, Mechanochromism and Acidochromism	Spectrochimica Acta – Part A: Mol. & Biomol. Spectro. 2024, 307, 123649	Yes	-
168.	2024	Khushdeep Kaur, Yovan de Coene, Koen Clays, Paramjit Kaur and Kamaljit Singh, Nonlinear Optical Response of 1*H*-Indene-Based Donor-Acceptor Chromophores. Influence of the Higher-lying States on the First hyperpolarizability	J. Mol. Str. 2024, 1310, 138272	Yes	-
167.	2023	Paramjit Kaur and Kamaljit Singh, Julolidine-based Probes for Detection of Analytes	Dyes and Pigments. 2023, 220, 111716	Yes	-
166.	2023	Pawan Kumar, Yovan de Coene, Koen Clays, Paramjit Kaur and Kamaljit Singh, Size Economy and First Hyperpolarizability. Synthesis and Nonlinear Optical Behavior of Ferrocene-	Dalton Trans. 2023, 52, 12130-42	Yes	01

		based Donor-Acceptor Chromophores lacking π-Link.			
165.	2023	Virendra Kumar Megha, Paramjit Kaur, Kamaljit Singh, Bis-cyanostilbene based fluorescent materials: A rational design of AIE active probe for hypochlorite sensing	Spectrochimica Acta – Part A: Mol. & Biomol. Spectro. 2023 302, 123043	Yes	01
164.	2023	Shivani, Akriti Mishra, Paramjit Kaur and Kamaljit Singh, Perpetual Extension of Conjugation of Fluorene Based Donor-Acceptor Dyads Yield Diminished Nonlinear Optical Response	J. Physical Chem C. 2023, 127, 1260-1272	Yes	02
163.	2023	Paramjit Kaur and Kamaljit Singh, Analyte Detection: A Decade of Progress in the Development of Optical/Fluorescent Sensing Probes	The Chemical Record (invited). 2023, 23, e202200184	Yes	05
162.	2023	Megha, Virendra Kumar, Paramjit Kaur and Kamaljit Singh, Julolidine-hydrazone based Chemosensor for detection of Zn^{2+}: Fluorescent "in-situ" formed Zn^{2+} ensemble discriminates PPi from ADP and ATP	Analytica Chimica Acta. 2023, 1240, 340758	Yes	06
161.	2023	Megha, Virendra Kumar, Paramjit Kaur and Kamaljit Singh, Julolidine based red emitting ESIPT/AIE active material showing luminescence beyond excimer emission: An on-off emission response to Cu^{2+}.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. 2023, 290, 122239	Yes	04
160.	2022	Kamaljit Singh and Paramjit Kaur, Synthesis, Aromaticity, Charge Transport in OFET devices and Nonlinear Optical Properties of Tetrathia/oxa[22]porphyrin (2.1.2.1)s: A Decade of Progress	Materials Advances. 2022, 3, 8108-8131	Yes	02
159.	2022	Shivani, Akriti Mishra, Paramjit Kaur and Kamaljit Singh, Synthesis and Nonlinear Optical Behaviour of Thermally Stable Chromophores Based on 9,9-Dimethyl-9*H*-fluoren-2-amine. Improving Intrinsic Hyperpolarizability Through Modulation of "Push-Pull"	ACS Omega. 2022, 43 (7), 39045-39060	Yes	03
158.	2022	Parth, Navpreet Kaur, Constance Korkor, Shaikh M. Mobin, Kelly Chibale, and Kamaljit Singh, Fluorene-Chloroquine Hybrids: Synthesis, in vitro Antiplasmodial Activity, and Inhibition of Heme Detoxification Machinery of Plasmodium	ChemMedChem. 2022, e202200414	Yes	03

		falciparum			
157.	2022	Virendra Kumar, Simran Sony, Navpreet Kaur, Shaikh M. Mobin, Paramjit Kaur and Kamaljit Singh, Thiazolothiazole based donor-π-acceptor fluorophore: Protonation/ deprotonation triggered molecular switch, sensing and Bio-imaging applications	Analytica Chimica Acta. 2022, 1206, 339776	Yes	14
156.	2022	Paramjit Kaur and Kamaljit Singh, Second-order nonlinear polarizability of "Push-Pull" chromophores. A decade of progress in donor-π-acceptor materials	The Chemical Record. 2022, e202200024 (invited)	Yes	08
155.	2022	Parth, Hardeep Kaur, Leentje Persoons, Graciela Andrei and Kamaljit Singh, Quinoline–dihydropyrimidin-2(1*H*)-one hybrids: Synthesis, biological activity and mechanistic studies	ChemMedChem. 2022, 18, e202200031	Yes	03
154.	2022	Lovepreet Singh, Diana Fontinha, Denise Francisco, Miguel Prudêncio and Kamaljit Singh, Synthesis and Antiplasmodial Activity of Regioisomers and Epimers of Second-Generation Dual Acting Ivermectin Hybrids	Scientific Reports. 2022, 12, 564 (Springer Nature)	Yes	05
153.	2022	Shivani, Akriti Mishra, Virendra Kumar, Paramjit Kaur and Kamaljit Singh, Synthesis, linear and non-linear optical properties of "push-pull"chromophores based on 9,9-dimethyl-9*H*-fluoren-2-amine	Dyes & Pigments. 2022, 200, 110160	Yes	06
152.	2022	Ekta, Divya Utreja and Kamaljit Singh, Synthesis of Sulfonamide based Chemosensor for sensing of toxic Hg^{2+} ions in Soil extract	J. Photochem. Photobiol, A. 2022, 426, 113784	Yes	07
151.	2022	Pawan Kumar, Virendra Kumar, Navpreet Kaur, Shaikh M. Mobin, Paramjit Kaur and Kamaljit Singh, A Fluorene based Probe: Synthesis and "*turn-on"* Water Sensitivity of the *in-situ* formed Cu^{2+} Complex: Application in Bio-imaging	Analytica Chimica Acta. 2022, 1189, 339211	Yes	03
150.	2021	Ekta, Divya Utreja, Kamaljit Singh, Sucheta Sharma, A Schiff-Base Molecular Keypad Lock and Turn-On Sensor for Selective Detection of Fe^{3+} with INHIBIT Logic Behaviour	Chemistry Select. 2021, 6, 12323-30	Yes	03
149.	2021	Lovepreet Singh and Kamaljit Singh, Ivermectin: A Promising Therapeutic for Fighting Malaria. Current Status and	J. Med. Chem. 2021, 64, 9711-9731	Yes	12

		Perspective			
148.	2021	Virendra Kumar, Pawan Kumar, Paramjit Kaur, Kamaljit Singh, A bis-pyrene chalcone based fluorescent material for ratiometric sensing of hydrazine: An acid/base molecular switch and solid-state emitter	Analytica Chimica Acta. 2021, 1178, 338807	Yes	17
147.	2021	Komalpreet Kaur, Divya Utreja, Narpinderjeet K. Dhillon, Rajesh K. Pathak, Kamaljit Singh, N-alkyl isatin derivatives: Synthesis, nematicidal evaluation and protein target identifications for their mode of action	Pesticide Biochem Physiol. 2021, 171, 104736	Yes	13
146.	2020	Shivani, Ishpreet Kaur, Karthika Chemmanghattu, Paramjit Kaur and Kamaljit Singh, Non-linear optical behaviour of benzothiazole based chromophores: Second harmonic generation	Dyes & Pigments. 2020, 183, 108739	Yes	03
145.	2020	Lovepreet Singh, Diana Fontinha, Denise Francisco, Antonio M. Mendes, Miguel Prudêncio and Kamaljit Singh, Molecular Design and Synthesis of Ivermectin Hybrids Targeting Hepatic and Erythrocytic Stages of Plasmodium Parasites	J. Med. Chem. 2020, 63, 1750-1762	Yes	20
144.	2020	Ishpreet Kaur, Shivani, Paramjit Kaur, and Kamaljit Singh, 2-(2′-Hydroxyphenyl)benzothiazole Derivatives: Emission and Color tuning	Dyes & Pigments. 2020, 176, 108198	Yes	20
143.	2020	Hardeep Kaur, Lovepreet Singh, Kelly Chibale and Kamaljit Singh, Structure Elaboration of Isoniazid: Synthesis, *in silico* Molecular Docking and Antimycobacterial Activity of Isoniazid-Pyrimidine Conjugates	Mol. Diversity. 2020, 24, 949-955	Yes	08
142.	2019	Ishpreet Kaur, Vinay Sharma, Shaikh M. Mobin, Anjali Khajuria, Puja Ohri, Paramjit Kaur, and Kamaljit Singh, Aggregation Tailored Emission of Benzothiazole based Derivative: A Photostable *turn on* Bioimaging	RSC Adv. 2019, 9, 39970-39975	Yes	17
141.	2019	Sarbjeet Kaur, Paramjit Kaur and Kamaljit Singh, Theoretical Approach towards the Investigation of Linear and Second-Order Nonlinear Optical Behavior of Ferrocene-	Chemistry Select. 2019, 4, 12841-12847	Yes	03

		Diketopyrrolopyrrole Dyads			
140.	2019	Rakesh Chopra, Lovepreet Singh, Kelly Chibale and Kamaljit Singh, Synthesis, *in silico* molecular docking, ADME evaluation and *in vitro* antiplasmodial activity of pyrimidine based small molecules	Chemistry Select. 2019, 4, 12556-12561	Yes	04
139.	2019	Paramjit Kaur and Kamaljit Singh, Recent Advances in Application of BODIPY in Bioimaging and Chemosensing	J. Mater Chem (C) 2019, 7, 11361-11405 (invited)	Yes	143
138.	2019	Princy Gupta, Lovepreet Singh, Kamaljit Singh, The Hybrid Antimalarial Approach. Medicinal Chemistry Approaches to Malaria and Other Tropical Diseases. (Invited)	The Annual Reports In Medicinal Chemistry Series (volume Editor: Kelly Chibale), Elsevier (USA) 2019, 53, 73-105	Yes	08
137.	2019	Ishpreet Kaur, Vinay Sharma, Shaikh M. Mobin, Paramjit Kaur, Kamaljit Singh Excitation wavelength based reversible multicolour photoluminescence by a single chromophore upon aggregation: Detection of picric acid – Application in bioimaging	Sensors & Actuators, B: Chemical. 2019, 281, 613-622	Yes	26
136.	2018	Tarunpreet Singh, Paramjit Kaur and Kamaljit Singh, Selective and reversible recognition of Hg^{2+} ions by tetrathia [22] porphyrin (2.1.2.1)	Spectrochimica Acta – Part A: Mol. & Biomol. Spectro. 2018, 205, 534-539	Yes	05
135.	2018	Ishpreet Kaur, Anjali Khajuria, Puja Ohri, Paramjit Kaur and Kamaljit Singh, Benzothiazole based Schiff-base: A mechanistically discrete sensor for HSO_4^- and I^-: Application to bioimaging and vapour phase sensing of ethyl acetate	Sensors & Actuators, B: Chemical. 2018, 268, 29-38	Yes	16
134.	2018	Rakesh Chopra, Kelly Chibale and Kamaljit Singh, Pyrimidine-chloroquinoline hybrids: Synthesis and antiplasmodial activity	Eur. J. Med. Chem. 2018, 148, 39-53	Yes	47
133.	2018	Ishpreet Kaur, Paramjit Kaur and Kamaljit Singh, 2-(4-Amino-2-hydroxyphenyl) benzothiazole based Schiff-base: Complexation/decomplexation driven photophysical tuning of fluorescence leading to Cu^{2+} and PO_4^{3-} detection	Sensors & Actuators, B: Chemical. 2018, 257, 1083-1092	Yes	26
132.	2017	Sugandha Dhoun, Paramjit Kaur and	Dyes & Pigments.	Yes	14

		Kamaljit Singh, Propargylated cyanostilbene based chemodosimeter for Pd^{2+} with application in biological fluids	2017, 143, 361-367		
131.	2017	Sarbjeet Kaur, Mandeep Kaur, Paramjit Kaur, Koen Clays and Kamaljit Singh, Ferrocene chromophores continue to inspire. Fine-tuning and switching of the second-order nonlinear optical response	Coord. Chem. Rev. 2017, 343, 185-219	Yes	70
130.	2017	Priya Singla, Paramjit Kaur and Kamaljit Singh, Hg^{2+} triggered *off state-on state* conversion of a dipyrene derivative: Application to soft material	Sensors & Actuators, B: Chemical. 2017, 244, 299-306	Yes	04
129.	2017	Sugandha Dhoun, Sarbjeet Kaur, Paramjit Kaur, Kamaljit Singh, A cyanostilbene-boronate based AIEE probe for hydrogen peroxide-Application in chemical processing	Sensors & Actuators, B: Chemical. 2017, 245, 95-103	Yes	17
128.	2017	Navdeep Kaur, Nick Van Steerteghem, Priya Singla, Paramjit Kaur, Koen Clays and Kamaljit Singh, Second-order nonlinear polarizability of ferrocene-BODIPY donor-acceptor adducts. Quantifying charge redistribution in the excited state	Dalton Trans. 2017, 46, 1124-1133	Yes	09
127.	2017	Priya Singla, Nick Van Steerteghem, Navdeep Kaur, A. Z. Ashar, Paramjit Kaur, Koen Clays, K. S. Narayan and Kamaljit Singh, Multifunctional geometrical isomers of ferrocene-benzo[1,2-b:4,5-b']difuran-2,6-(*3H,7H*)-dione adducts: Second-order nonlinear optical behaviour and ambipolar charge transport in thin film OFET devices	J. Mater Chem (C), 2017, 5, 697-708	Yes	16
126.	2016	Navdeep Kaur, Paramjit Kaur and Kamaljit Singh, Ferrocene-BODIPY *Push-Pull* dyad: A common platform for the sensing of Hg^{2+} and Cr^{3+}	Sensors & Actuators, B: Chemical. 2016, 229, 499-505	Yes	43
125.	2016	Kamaljit Singh, Abeje Abebayehu, Endale Mulugeta, Divya Sareen and Chang Hee-Lee, Recent advances in *meso*-alkylidenyl carbaporphyrinoids	J. Por. Phthal. 2016, 20, 1-14 (invited, Dedicated to Prof. Kevin M. Smith, 70th Birthday)	Yes	08
124.	2016	Kamaljit Singh and Tavleen Kaur,	Med. Chem. Comm.	Yes	62

		Pyrimidine based antimalarials: Design strategies and antiplasmodial effects	2016, 7(5), 749-768 (Invited article)		
123.	2016	Sarbjeet Kaur, Nick Van Steerteghem, Paramjit Kaur, Koen Clays and Kamaljit Singh, Synthesis, characterization and second-order nonlinear optical behaviour of ferrocene-diketo pyrrolopyrrole dyads. Effect of alkene vs alkyne linkers	J. Mater Chem (C). 2016, 4, 9717-9726	Yes	13
122.	2016	Krishnandu Makhal, Shafali Arora, Paramjit Kaur, Debabrata Goswami and Kamaljit Singh, Third-order nonlinear optical response and ultrafast dynamics of tetraoxa[22]porphyrin(2.1.2.1)s	J. Mater Chem (C). 2016, 4, 9445-9453	Yes	22
121.	2016	Navdeep Kaur, Paramjit Kaur, Gaurav Bhatia, Kamaljit Singh and Jatinder Singh, Indole-BODIPY: A "*turn-on*"chemosensor for Hg^{2+} with application in Live Cell imaging	RSC Adv. 2016, 6, 82810-82816	Yes	21
120.	2016	Kamaljit Singh, Shafali Arora, Krishnandu Makhal, Paramjit Kaur and Debabrata Goswami, Nonlinear absorption in tetrathia[22]porphyrin(2.1.2.1)s: Visualizing strong reverse saturable absorption at non resonant excitation	RSC Adv. 2016, 6, 22659-22663	Yes	11
119.	2016	Sugandha Dhoun, Griet Depotter, Sarbjeet Kaur, Paramjit Kaur, Koen Clays and Kamaljit Singh, Thermally stable ferrocene-α-cyanostilbenes as efficient materials for second order nonlinear optical polarizability	RSC Adv. 2016, 6, 50688-50696	Yes	17
118.	2015	Kamaljit Singh, Paramjit Kaur, Hiroyuki Miyake and H. Tsukube, Supramolecular chemistry strategies for naked-eye detection and sensing	Synergy in supramolecular chemistry, CRC Book, Taylor and Francis (Chapter-16). 2015, 301-320	Yes	-
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115.	2015	Hardeep Kaur, Marta Machado, Carmen de Kock, Peter Smith, Kelly Chibale, Miguel Prudencio, Kamaljit Singh, Primaquine-pyrimidine hybrids: Synthesis and dual-stage antiplasmodial activity	Eur. J. Med. Chem. 2015, 101, 266-273	Yes	50
114.	2015	Priya Singla, Paramjit Kaur and Kamaljit Singh, Discrimination in excimer emission quenchin g of pyrene by nitroaromatics	Tetrahedron Lett. 2015, 56 (18), 2311-2314	Yes	18
113.	2015	Shafali Arora, Shivali Sharma, Venus S. Mithu, Chang Hee-Lee and Kamaljit Singh, Selective functionalization of methylene bridges of calix[6]arenes. Isolation and identification of stable conformers of methyl ether of *p*-tert-butylcalix[6]arene	Chem. Commun. 2015, 51 (20), 4227-4230	Yes	06
112.	2015	Rakesh Chopra, Paramjit Kaur and Kamaljit Singh, Pyrene-based chemosensor detects picric acid upto attogram level through aggregation enhanced excimer emission	Anal. Chim. Acta. 2015, 864, 55-63	Yes	55
111.	2015	Rakesh Chopra, Carmen de Kock, Peter Smith, Kelly Chibale, and Kamaljit Singh, Ferrocene-pyrimidine conjugates: Synthesis, electrochemistry, physicochemical properties and antiplasmodial activities	Eur. J. Med. Chem. 2015, 100, 1-9	Yes	38
110.	2015	Sarbjeet Kaur, Sugandha Dhoun, Griet Depotter, Paramjit Kaur, Koen Clays and Kamaljit Singh, Synthesis, linear and nonlinear optical properties of thermally stable ferrocene-diketopyrrolopyrrole dyads	RSC Adv. 2015, 5 (103), 84643-84656	Yes	31
109.	2015	Hardeep Kaur, Jan Balzarini, Carmen de Kock, Peter Smith, Kelly Chibale, and Kamaljit Singh, Synthesis, antiplasmodial activity and mechanistic studies of pyrimidine-5-carbonitrile and quinoline hybrids	Eur. J. Med. Chem. 2015, 101, 52-62	Yes	32
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106.	2014	Paramjit Kaur, Navdeep Kaur,a Mandeep Kaur, Vikram Dhuna, Jatinder Singh and Kamaljit Singh, A *'Turn-on'* coordination based detection of Pd^{2+}- Application in bioimaging	RSC Adv. 2014, 4 (31), 16104-16108	Yes	39
105.	2014	Divya Sareen, Paramjit Kaur and Kamaljit Singh, Strategies in detection of metal ions using dyes (Most downloaded article Elsevier 2014)	Coord. Chem. Rev. 2014, 265 (1), 125-154	Yes	133
104.	2014	Paramjit Kaur and Kamaljit Singh, Supramolecular Analyte Recognition: Experiment Theory Interplay	RSC Adv. 2014, 4 (23), 11980-11999	Yes	10
103.	2014	Kamaljit Singh, Hardeep Kaur, Peter Smith, Carmen de Kock, Kelly Chibale, and Jan Balzarini, Quinoline–pyrimidine hybrids: Synthesis, antimalarial bioassay, SAR and mode of action studies	J. Med. Chem. 2014, 57 (2), 435-448 (Highly cited article of 2014)	Yes	101
102.	2014	Navdeep Kaur, Paramjit Kaur and Kamaljit Singh, A dioxadithiaazacrown ether–BODIPY dyad Hg^{2+} complex for detection of L-cysteine: fluorescence switching and application to soft material	RSC Adv. 2014, 4 (55), 29340-29343	Yes	18
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97.	2013	Kamaljit Singh, Divya Sareen, Paramjit Kaur, Hiroyuki Miyake and Hiroshi Tsukube, Materials based Receptors. Design Principle and Applications (Mini review)	Chem.-A Eur. J. 2013, 19 (22), 6914-6936	Yes	20
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95.	2013	Paramjit Kaur, Hardeep Kaur and Kamaljit Singh, A *'turn-off'* emission based chemosensor for HSO_4^- - formation of a hydrogen-bonded complex	Analyst. 2013, 138 (2), 425-428 (among top ten articles in Jan 2013)	Yes	49
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93.	2013	Paramjit Kaur, Hardeep Kaur and Kamaljit Singh, A quinoline-based turn-off fluorescent cation sensor-dynamic and static quenching	RSC Adv. 2013, 3 (1), 64-67	Yes	25
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91.	2013	Kamaljit Singh, Hardeep Kaur, Kelly Chibale, and Jan Balzarini, Synthesis of 4-aminoquinoline–pyrimidine hybrids as potent antimalarials and their mode of action studies	Eur. J. Med. Chem. 2013, 66, 314-323	Yes	55
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88.	2012	Paramjit Kaur, Divya Sareen, Kamaljit Singh, Aza crown ether appended hetarylazo dye–Single molecular dual analyte chemosensor for Hg^{2+} and Pb^{2+}	Dalton Trans. 2012, 41(29), 8767-8769	Yes	27
87.	2012	Kamaljit Singh, Kawaljit Singh and Hardeep Kaur, Chemical resolution of enantiomers of 3,4-dihydropyrimidin-2(1*H*)-ones using chiral auxiliary approach	Tetrahedron. 2012, 68 (31), 6169-6176	Yes	12
86.	2012	Kamaljit Singh, Kawaljit Singh, Danielle M. Trappanese and Robert S. Moreland, Highly regioselective synthesis of N-3 organophosphorous derivatives of 3,4-dihydropyrimidin-2(1*H*)-ones and their calcium channel binding studies	Eur. J. Med. Chem. 2012, 54, 397-402	Yes	12
85.	2012	Kamaljit Singh, Amit Sharma and Shivali Sharma, Heteroporphyrins: Synthesis and structural modifications	Advances in Heterocyclic Chemistry. 2012, 106, 111-184 (Chapter 2)	Yes	10
84.	2012	Paramjit Kaur, Mandeep Kaur, Griet Depotter, Stijn Van Cleuvenbergen, Inge Asselberghs, Koen Clays and Kamaljit Singh, Thermally stable ferrocenyl "Push-Pull" chromophores with tailorable and switchable second-order non-Linear optical response. Synthesis and structure-property relationship	J. Mater. Chem. 2012, 22, 10597-10608	Yes	50
83.	2012	Kamaljit Singh, Hardeep Kaur, Kelly Chibale, Jan Balzarini, Susan Little and	Eur. J. Med. Chem.	Yes	73

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81.	2012	Kawaljit Singh and Kamaljit Singh, Biginelli condensation. Synthesis and structure diversification of 3,4-dihydropyrimidin-2(1H)-one derivatives	Advances in Heterocyclic Chemistry. 2012, 105, 223-308 (Chapter 3)	Yes	51
80.	2012	Paramjit Kaur, Sandeep Kaur and Kamaljit Singh,n Bis-(N-methylindolyl)methane based chemical probes for Hg^{2+} and Cu^{2+} and molecular IMPLICATION gate operating in fluorescence mode	Org. Biomol. Chem. 2012, 10, 1497-1501(featured in the top 10% of the most highly cited articles)	Yes	43
79.	2012	Kamaljit Singh, Tarunpreet Singh Virk, Jing Zhang, Wei Xu and Daoben Zhu, Oxygen Bridged Neutral Annulenes: A Novel Class of Materials for Organic Field-Effect Transistors	Chem. Comm. 2012, 48 (1), 121-123	Yes	21
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77.	2011	Paramjit Kaur, Mandeep Kaur and Kamaljit Singh, Ferrocene based chemosensor for Cu^{2+}- A dual channel signalling system	Talanta. 2011 85 (2), 1050-1055	Yes	30
76.	2011	Kamaljit Singh, Shivali Sharma and Amit Sharma, Unique versatility of Amberlyst 15. An Acid & Solvent-Free Paradigm Towards Synthesis of Bis(heterocyclyl)methane derivatives	J. Mol. Cat A: Chemical. 2011, 347 (1-2), 34-37	Yes	35
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73.	2011	Paramjit Kaur, Sandeep Kaur and Kamaljit Singh, A fluoride selective dipyrromethane-TCNQ colorimetric sensor based on charge transfer	Talanta. 2011, 84 (3), 947-951	Yes	21
72.	2011	Sucharita Arora, Harvinder Singh Saini and Kamaljit Singh, Biological decolorization of industrial dyes by *Candida tropicalis*, *Bacillus firmus*	Water Sci. & Tech. 2011, 63(4), 761-768	Yes	10
71.	2011	Paramjit Kaur, Divya Sareen and Kamaljit Singh, Selective colorimetric sensing of Cu^{2+} using triazolyl monoazo derivative	Talanta. 2011, 83, 1695-1700	Yes	78
70.	2011	Kamaljit Singh, Amit Sharma, Jing Zhang, Wei Xu and Daoben Zhu, New Sulphur Bridged Neutral Annulenes. Structure, Physical Properties and Applications in Organic Field-Effect Transistors	Chem. Commun. 2011, 47(3), 905-907	Yes	44
69.	2011	Kamaljit Singh and Sucharita Arora, Removal of synthetic textile dyes from wastewaters: A critical review on current treatment technologies	Critical Rev. Environ. Sci. & Technol. 2011, 41 (9), 807-878	Yes	506
68.	2011	Kamaljit Singh, Shivali Sharma and Amit Sharma, An efficient synthesis of bis(heterocyclyl) methanes	Syn. Commun. 2011, 41 (23), 3491-3496	Yes	04
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66.	2010	Kamaljit Singh, Divya Arora, Jan Balizarini, Regioselective addition reactions at C-2 of 3,4-dihydropyrimidinones. Synthesis and evaluation of multifunctional tetrahydropyrimidines	Tetrahedron. 2010, 66 (41), 8175-8180	Yes	16

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62.	2009	Paramjit Kaur, Sandeep Kaur and Kamaljit Singh, Colorimetric detection of cyanide in water using a highly selective Cu^{2+} chemosensor	Inorg. Chem. Commun. 2009, 12 (10), 978-981	Yes	43
61.	2009	Kamaljit Singh, Divya Arora, Danielle Falkowski, Qingxin Liu and Robert S. Moreland, An efficacious protocol for C-4 substituted 3,4-dihydro pyrimidinones. Synthesis and calcium channel binding studies	Eur. J. Org. Chem. 2009, 19, 3258-3264	Yes	39
60.	2009	Kamaljit Singh and Sukhdeep Singh, Chemical resolution of inherently racemic dihydropyrimidinones via a site selective functionalization of Biginelli compounds with chiral electrophiles. A case study	Tetrahedron. 2009, 65 (21), 4106-4112	Yes	24
59.	2009	Kamaljit Singh and Kawaljit Singh, Magnesium/Methanol: An effective reducing agent for chemoselective reduction of pyrimidine-2(1*H*)-ones	Tetrahedron Lett. 2009, 50 (19), 2219-2221	Yes	10
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57.	2009	Kamaljit Singh, Divya Arora, Kawaljit Singh and Sukhdeep Singh, Genesis of dihydropyrimidinone calcium channel blockers: Recent progress in structure activity relationships and other effects	Mini Rev. Med. Chem. 2009, 9 (1), 95-106	Yes	114
56.	2009	Paramjit Kaur, Divya Sarin, Sandeep Kaur and Kamaljit Singh, An efficacious "naked-eye" selective sensing of cyanide	Inorg. Chem. Commun. 2009, 12 (3), 272-275	Yes	57

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53.	2008	Kamaljit Singh and Amit Sharma, Selective Lithiation of Bis(furan-2-yl)methane: An Efficient Protocol for Novel *meso*-Functionalised Synthons	Tetrahedron Lett. 2008, 49 (43), 6234-6236	Yes	06
52.	2008	Paramjit Kaur, Sandeep Kaur, Aman Mahajan and Kamaljit Singh, Highly selective colorimetric sensor for Zn^{2+} based on hetarylazo derivative	Inorg. Chem. Commun. 2008, 11 (6), 626-629	Yes	62
51.	2007	Paramjit Kaur, Sandeep Kaur and Kamaljit Singh, A selective and sensitive "Naked Eye" anion detector based on an imine-π-TCNQ assembly	Tetrahedron Lett. 2007, 48 (40), 7191-7193	Yes	21
50.	2007	Kamaljit Singh, Amit Sharma, Sonia Behal and Paramjit Kaur, Synthesis of *meso*-aryl substituted porphyrins. Simple and high yielding modification of the Adler procedure	Letts. Org. Chem. 2007, 4 (5), 374-377	Yes	03
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41.	2006	Kamaljit Singh, Sukhdeep Singh, Aman Mahajan, and Paramjit Kaur, Efficacious preparation of Biginelli compounds. A comparative study of different reaction techniques	Letts. Org. Chem. 2006, 3 (3), 201-203	Yes	15
40.	2006	Sucharita Arora, Harvinder Singh Saini and Kamaljit Singh, Decolourization of a monoazo disperse dye with *Candida tropicalis.*	Color. Technol. 2005, 121 (6), 298-303	Yes	15
39.	2005	Kamaljit Singh, Sukhdeep Singh and Aman Mahajan, Metalation of Biginelli compounds. A general unprecedented route to C-6 functionalised 4-aryl-3,4-dihydropyrimidinones	J. Org. Chem. 2005, 70 (15), 6114-6117	Yes	55
38.	2005	Kamaljit Singh, Maninder Singh Hundal and Sonia Behal, Efficient and versatile single pot approach to dipyrromethanes and bis(heterocyclyl)methanes	Tetrahedron. 2005, 70 (15), 6114-6117	Yes	27
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29.	2002	Kamaljit Singh, Sarbjit Singh and John A. Taylor, Monoazo disperse dyes- Part 1: Synthesis, spectroscopic studies and technical evaluation of monoazo disperse dyes derived from 2-aminothiazoles	Dyes & Pigments. 2002, 54 (3), 189-200	Yes	45
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21.	2000	Kamaljit Singh and Prasant K. Deb, Pictet-Spengler reaction. Is carbonyl the best choice? A highly Diastereoselective synthesis of *trans*- 1,3-disubstituted tetrahydro-β-carbolines	Tetrahedron Lett. 2000, 41 (25), 4977-4980	Yes	23
20.	1999	Kamaljit Singh, Jasbir Singh, Prasant K. Deb and Harjit Singh, An expedient protocol of Biginelli dihydropyrimidine synthesis using carbonyl equivalents	Tetrahedron. 1999, 55 (44), 12873-12880	Yes	93
19.	1999	Noureddine Khiar, Kamaljit Singh, Mercedes Garcia and Manuel Martin-Lomas, A short enantiodivergent synthesis of D-erythro and L-threo sphingosine	Tetrahedron Lett. 1999, 40 (31), 5779-5782	Yes	29
18.	1998	Kamaljit Singh and Prasant K. Deb, A versatile approach to *trans*- 1,3-disubstituted tetrahydro-β-carbolines using oxazinanes	Heterocycles. 1999, 51 (7), 1509-1512	Yes	13
17.	1998	Kamaljit Singh, Jasbir Singh and Harjit Singh, A novel synthesis of functionalised aldehydes equivalents through addition of carbanions on Δ^2-oxazolinium cations	Tetrahedron. 1998, 54 (14), 3567-3574	Yes	09

16.	1998	Kamaljit Singh, Jasbir Singh and Harjit Singh, 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	Tetrahedron. 1998, 54 (5-6), 935-942	Yes	55
15.	1998	Paramjit Kaur, Loreto Ballester, S. S. Parmar and Kamaljit Singh, Mixed valence copper (I)-copper (II) complexes of N,S-donor ligands and their 7,7',8,8'-tetracyanoquinodimethane derivatives	Trans. Met. Chem. 1998, 23 (5), 573-576	Yes	04
14.	1998	Kamaljit Singh and S. S. Parmar, Are natural dyes safer than synthetic dyes?	Textile Trends. 40, 24-29	Yes	-
13.	1997	Kamaljit Singh, Chemical enzymatic synthesis of ligands of E-selectin	Indian J. Chem. (B). 36 (10), 845-859 (Org. & Med. Chem.)	Yes	-
12.	1996	Kamaljit Singh, Jasbir Singh and Harjit Singh, A synthetic entry into fused pyran derivatives through carbon transfer reactions of 1,3-oxazinanes and oxazolidines with carbon nucleophiles	Tetrahedron. 1996, 52 (45), 14273-14280	Yes	223
11.	1996	Kamaljit Singh, Jasbir Singh and Harjit Singh, An efficacious synthesis of functionalised oxazolidines and their open chain enamine tautomers	Indian J. Chem. (B). (Org. & Med. Chem.) 1996, 35 (9), 881-882	Yes	05
10.	1995	J. M. Coteron, Kamaljit Singh, J. L. Asensio, M. D.- Dalda, A. F.- Mayoralas, J. J.- Barbero and M. Martin-Lomas, Oligosaccharides structurally related to E-selectin ligands are inhibitors of neural cell division: Synthesis, conformational analysis and biological activity	J. Org. Chem. 1995, 60 (6), 1502-1518	Yes	40
9.	1994	Kamaljit Singh, Alfonso Fernandez Mayoralas and M. Martin – Lomas, Synthesis of oligosaccharides structurally related to E-selectin ligands	J. Chem. Soc., Chem. Commun. 1994, 6, 775-776	Yes	18
8.	1993	Harjit Singh, Kamaljit Singh, Paramjit Kaur and Pankaj Sarin, Carbon transfer reactions with Heterocycles. Part 7. A facile synthesis of unsymmetrically substituted 1,4-dihydropyridines	J. Chem. Res (S). 1993, 120-121	Yes	-
7.	1993	Kamaljit Singh, Spectrophotometric determination of 6-Aminopenicillanic acid	Indian J. Tech. 1993,	Yes	-

		by copper sulphate pentahydrate	31, 613-14		
6.	1989	Harjit Singh and Kamaljit Singh, Carbon transfer reactions with heterocycles. Part 6. Pictet- Spengler reaction using perhydrooxazines. A facile synthesis of (±) calycotomine and analogues	Indian J. Chem. (B). Org. & Med. Chem. 1989, 28B, 802-805	Yes	-
5.	1989	Harjit Singh and Kamaljit Singh, Carbon transfer reactions with heterocycles. Part 5. A facile synthesis of Nifedipine and analogues	Tetrahedron. 1989, 45 (12), 3967-3974	Yes	18
4.	1989	Harjit Singh, Rakesh Sarin (in part), Kamaljit Singh, Rosalinda Contreras and Guillermo Uribe, Reactions of sodium borohydride with benzothiazolium and Δ^2-thiazolinium cations. Formation of benzothiazolines, thiazolidines and stable thiazaboroles	Tetrahedron. 1989, 45 (16), 5193-5202	Yes	09
3.	1988	Harjit Singh and Kamaljit Singh, Carbon transfer reactions with heterocycles. Part 4. Synthetic equivalence of perhydrooxazines with carbonyl compounds. A facile synthesis of streptindole and analogues	Tetrahedron. 1988, 44 (18), 5897-5904	Yes	33
2.	1988	Harjit Singh, Rakesh Sarin and Kamaljit Singh, Carbon transfer reactions with heterocycles. Part 2. Carbon transfer reactions of thiazolidines and benzothiazolines	Indian J. Chem. (B). (Org. & Med. Chem.) 1988, 27B, 132-134	Yes	-
1.	1986	Harjit Singh, Rakesh Sarin and Kamaljit Singh, One carbon unit transfer to enamines through oxazolidines and tetrahydro–2*H*-1,3-oxazines.	Heterocycles. 1986, 24 (11), 3039-3042	Yes	21

B.II List of articles in popular magazines or newspapers:

Total Articles: 5

S. No.	Date	Title	Name of Magazine / Newspaper
1.	2006	Solvent assisted dyeing of polyester with Henna	Colourage
2.	2005	Macro- and micronutrients of filter	Cooperative Sugar

		cake of sugar factories. Analysis using inductively coupled argon plasma atomic emission spectrometry	
3.	2002	The German Ban– A realistic appraisal	Colourage
4.	2002	A Time Study to Monitor ICUMSA Color of Plantation White Sugar in Godown	Indian Sugar
5.	1998	Are natural dyes safer than synthetic dyes?	Textile Trends

C. Participation and scholarly presentations in conferences:

C.I. National

S. No.	Date	Title of Conference or Institution	Title/Subject of presentation (if made)
1	Nov. 22 – 26, 1987	24th annual convention of chemists held at Shivaji University, Kolhapur, India	Organic synthesis through tetrahydrooxazines
2	Dec. 23 – 27, 1988	25th annual convention of chemists held at University College of Science, Calcutta, India	Sodium cyanoborohydride reduction of benzothaizolium and Δ^2-thiazolinium cations.
3	Dec. 28 – 29, 1989	26th annual convention of chemists held at University of Indore, India	Synthesis of optically active 1,3-disubstituted – 12,3,4- tetrahydro -β-carbolines.
4	Sept. 28 – 29, 1989	Symposium on trends in heterocyclic chemistry at Indian Institute of Chemical Technology, Hyderabad, India	Reactions of sodium borohydride with thiazolinium cations. Formation of 2,3-dihydrothiazoles and stable thiazaboroles.
5	Dec. 26 – 30, 1992	29th annual convention of chemists held at A.P.S. University, Rewa, India	Synthesis of unsymmetrically substituted 1,4-dihydropyridines
6	Jun 16 –18, 1993	IIIrd session of carbohydrates held at Universidad Hispano American de Santa Maria, La Rabida, Spain	Estudios sobre de la syntesis de oligosacaridos inhibidores de la division de celulas neuronales.
7	Jul. 1993	Instituto de Quimica Organica General, Consejo Superior de investigaciones Scientificas (CSIC), Madird, Spain	Heterocyclic coenzyme models in organic synthesis

8	Jul. 17 – 22, 1994	17th international carbohydrate symposium held at Westin hotel, Ottawa, Canada	A highly Diastereoselective synthesis of D-erythrosphingosine
9	Dec. 11 – 16, 1994	10th international conference on organic synthesis held at Bangalore, India	Oligosaccharides structurally related to E-selectin ligands are inhibitors of neural cell division: synthesis and biological studies.
10	Dec. 21 – 24, 1994	31st annual convention of chemists held at Varanasi, India	Carbon transfer reactions of tetrahydrooxazines towards carbon nucleophiles.
11	Dec. 21 – 24, 1995	32nd annual convention of chemists held at University of Rajasthan, Jaipur, India	Carbon transfer reactions of tetrahydrooxazines towards carbon nucleophiles
12	Jun. 30 – Jul. 4, 1996	ICOS-11, held at University of Amsterdam, Amsterdam, The Netherlands	An efficacious synthesis of oxazolidines and their novel ring-chain tautomers
13	May 30th, 1996	project-monitoring workshop of CSIR held at CLRI, Madras, India	Heterocyclic coenzyme models in organic synthesis
14	March 1997	An international conference of the Confederation of Indian Industries (CII) at Ahmedabad, India	Textiles and clothing.
15	Feb. 7-9, 1997	symposium held at Department of Chemistry, Indian Institute of Technology, Delhi, India	Nuclear Magnetic Resonance
16	Apr. 27 – 29, 1997	1st Punjab Science congress organized by Panjab Academy of Sciences, held at Panjabi University, Patiala, India	Synthesis and spectroscopic studies of tetraza- and pentaza macrocyclic Cu, Ni and Mn complexes of the 7,7',8,8'-tetracyanoquinodimethane
17	Apr. 27 – 29, 1997	1st Punjab Science congress organized by Panjab Academy of Sciences, held at Panjabi University, Patiala, India	A novel synthesis of functionalised carbonyl equivalents and their use in organic synthesis
18	Dec. 17-20, 1997	34th annual convention of chemists held at University of Delhi, Delhi, India	An efficacious diastereoselective synthesis of 1,3-disubstituted-1,2,3,4-tetrahydro-β-carbolines
19	Sept. 27th, 1997	Symposium on Eco-friendly dyes and eco-testing, organized by Textile commission at G. N. D. University, Asr	Are natural dyes safer than synthetic dyes?
20	Apr. 2-4, 1998	2nd Panjab Science Congress organized by Panjab Academy of Sciences at G. N. D. University, Amritsar	Optically active 2-(arylsufinylmethyl)oxazines – Chiral aldehydes equivalents. A new entry into chiral 1,4-dihydropyridines.

21	Mar. 22-23, 1999	National seminar on recent trends in Chemical Research at G. N. D. University, Amritsar	A versatile approach to *trans* 1,3-disubstituted -β-carbolines using oxazinanes.
22	Sept. 6-7, 1999	61st annual sugar convention, held at Ooty, India	An efficacious protocol of wax extraction from filter cake of sugar industry and its chemical analysis.
23	Dec. 11-16, 1999	International conference on chemistry and 36th convention of chemists held by Chemical society, Calcutta	Synthesis and evaluation of azo disperse dyes derived from heterocyclic diazo components
24	Dec. 11-16, 1999	International conference on chemistry and 36th convention of chemists held by Chemical society, Calcutta	Diastereoselective synthesis using sulfoxides.
25	Dec. 10 – 12, 1999	3rd Punjab Science conference of Panjab Academy of Sciences held at Panjab University, Chandigarh	Pictet-Spengler reaction. Is carbonyl the best choice?
26	Sept. 14-15, 1999	project monitoring workshop of CSIR, held at CSIR complex, New Delhi	Asymmetric synthesis using chiral sulfoxides
27	Nov. 23rd 2000	New Trends in Textile Chemistry and Technology, held at G. N. D. University, Amritsar	The German ban-A realistic appraisal.
28	Feb. 2-4, 2001	3rd National Symposium in Chemistry (CRSI) at Panjab University, Chandigarh	2-(Arylsufinylmethyl)oxazinanes. Chiral carbonyl equivalents. A formal diastereoselective synthesis of yohimbine alkaloids.
29	Nov. 9-10, 2001	National bioorganic symposium –7 held at G. N. D. U., Amritsar	Synthesis and technical evaluation of new disperse dyes.
30	Feb. 1-3, 2002	National Chemical Laboratory (NCL), Pune	Synthesis, Spectroscopic Studies and Technical Evaluation of Novel Disperse dyes
31	Feb. 3th -7th, 2005.	7th National Symposium of CRSI, held at Indian Association for the Cultivation of Science, Kolkata	Synthetic studies in C-6 decoration of biologically active chiral dihydropyrimidones.
32	Feb. 3th –7th, 2005	7th National Symposium of CRSI, held at Indian Association for the Cultivation of Science, Kolkata	Dipyrromethanes – versatile intermediates for pyrrolic macrocycles: synthesis & complexation studies.
33	Feb. 3th –7th, 2005	7th National Symposium of CRSI, held at Indian Association for the Cultivation of Science, Kolkata	Synthesis and technical evaluation of hetarylazo disperse dyes derived from 2-amino-5-substituted-1,3,4-thiadiazoles.

34	Feb. 3th –7th, 2005	7th National Symposium of CRSI, held at Indian Association for the Cultivation of Science, Kolkata	Decolorisation of heterocyclic monoazo disperse dyes by candida *tropicalis*
35	Mar. 9th –11, 2005	National Symposium on future challenges in chemical sciences, held at H. P. University, Summer Hill, Shimla	New tricks from an old dog. A solvent free sonochemical preparation of dihydropyrimidinones.
36	Mar. 9th –11, 2005	National Symposium on future challenges in chemical sciences, held at H. P. University, Summer Hill, Shimla	Microbial decolourisation of heterocyclic monoazo disperse dyes by candida tropicalis
37	Feb. 3th –5th, 2006	8th National Symposium of CRSI, held at Indian Institute of Technology, Bombay	An efficient entry to decorated dihydropyrimidinone scaffolds
38	Mar. 20-21, 2006	National Symposium on New Challenges in chemistry, organized by Department of Chemistry, Guru Nanak Dev University, Amritsar	An efficient entry to diastereomeric/enantiomeric Biginelli dihydropyrimidinones
39	Mar. 20-21, 2006	National Symposium on New Challenges in chemistry, organized by Department of Chemistry, Guru Nanak Dev University, Amritsar	A solvent- free *Green.* Approach for the Preparation of N, N' Disubstituted Dihydropyrimidinones
40	Mar. 20-21, 2006	National Symposium on New Challenges in chemistry, organized by Department of Chemistry, Guru Nanak Dev University, Amritsar	Pyrrolic Macrocycles. Synthetic Aspects
41	Mar. 20-21, 2006	National Symposium on New Challenges in chemistry, organized by Department of Chemistry, Guru Nanak Dev University, Amritsar	Microbial decolorisation of Monoazo disperse dye.
43	Dec. 16-19, 2006	2nd International Conference on Heterocyclic Chemistry, held at University of Rajasthan, Jaipur	Lithiation of Dipyrromethanes, A general unprecedented approach to meso- functionalized dipyrromethanes.
44	Feb. 1–4, 2007	9th National Symposium of CRSI, held at University of Delhi, Delhi	Structure Diversification of Heterocycles. Development of Synthetic Tools for "Drug- Like" Molecular Scaffolds
45	Mar. 8-9, 2007	Workshop on Intellectual Property Rights for Public R & D Labs (India & European union Joint Programme) held at Regional Research Laboratory, Jammu	-

46	Oct. 24-26, 2007	Jawaharlal Nehru Frontier Lectures, organized by Jawaharlal Nehru Centre for Advanced Scientific Research (A Deemed University) Jakkur, Banglore	-
47	Nov. 15-18, 2007	3rd J- NOST Conference held at Guru Nanak Dev University, Amritsar	-
48	Jun. 5-9th, 2007	International Conference on Organic Chemistry (ICOC) at Erzurum, Turkey	-
49	Mar. 29th, 2007	National symposium on green chemistry. Delivered invited talk delivered at National symposium to Green Chemistry at SLIET, Longowal	-
50	Jul. 7-10, 2007	NOST symposium and delivered an invited talk at 12th NOST symposium at Majorda beach resort, Goa	-
51	Feb. 1-3, 2008	10th National Symposium of CRSI, held at Indian Institute of Science, Banglore	Site Selective Functionalization of Medicinally Potent Heterocycles
52	Feb. 1-3, 2008	10th National Symposium of CRSI, held at Indian Institute of Science, Banglore	Non- Covalent Charge Transfer Assemblies for Selective Sensing of Anions in Water
53	Jul. 25-26, 2008	3rd Mid-Year Symposium of CRSI, held at NIPER, SAS Nagar	Site Selective Functionalization of Medicinally Potent Heterocycles.
54	Jul. 25-26, 2008	3rd Mid-Year Symposium of CRSI, held at NIPER, SAS Nagar	A Chromoreact and for the Selective Detection of CN^- in Aqueous Medium.
55	Dec. 6-9, 2008	4th J-NOST conference at Madurai Kamaraj University, Madurai	Development of Colorimetric Chemosensors for Detection of Ions.
56	Dec. 6-9, 2008	4th J-NOST conference at Madurai Kamaraj University, Madurai	Regioselective Scaffold Decoration of Dihydropyrimidinones
57	Feb. 6-8, 2009	11th National Symposium of CRSI at NCL Pune	Site-Selective Functionalization of Potent Heterocyclic Compounds
58	Feb. 6-8, 2009	11th National Symposium of CRSI at NCL Pune	Site-Selective Functionalization through Metalation
59	Mar. 12-13, 2009	ETCAS (Emerging Trends in Chemical Analysis and Synthesis) at SLIET, Longowal, Punjab	Charge Transfer Compounds for selective sensing of anions in water
60	Mar. 12-13,	ETCAS (Emerging Trends in Chemical Analysis and Synthesis) at SLIET,	Highly Chemoselective Reduction of Pyrimidinones using Mg/MeOH.

	2009	Longowal, Punjab	
61	Mar. 12-13, 2009	ETCAS (Emerging Trends in Chemical Analysis and Synthesis) at SLIET, Longowal, Punjab	-
62	Dec. 6-9, 2009	5th J-NOST conference at IIT, Kanpur	Regioselective Scaffold Decoration of Dihydropyrimidinones and their Chemical Resolution.
63	Dec, 2011	7th Junior National Organic Symposium Trust (J-NOST) organized at Indian Institute of Science Education and Research (IISER) Mohali, Punjab	Synthesis and Aromaticity of Tetrathia[22]Annulenes: Application as Organic Field-Effect Transistors.
64	July 2011	15th International Conference on Biological Inorganic Chemistry (ICBIC 15) organized at University of British Columbia, Vancouver, Canada	Development of Chemosensors for Detection of Heavy Metal Ions.
65	Sept. 22-24, 2011	North zonal Symposium of the Chemical Research Society of India (CRSI) organized at Jammu University, Jammu	2-Aminopyrimidine based Antiplasmodial and Antibacterial agents
66	Dec. 23-24, 2011	National symposium in chemistry organized at Guru Nanak Dev University, Amritsar	Facile transformation of Biginelli pyrimidin-2(1H)-ones to pyrimidines. *In vitro* evaluation as inhibitors of *Plasmodium falciparum* and *Mycobacterium* Tuberculosis
67	Feb. 7-9, 2012	15th Punjab Science Congress organized at Guru Nanak Dev University, Amritsar	Design and synthesis of potentially bioactive hybrid molecules
68	Dec. 23-24, 2011	National symposium on chemistry in 21st century, held at Guru Nanak Dev University, Amritsar	Synthesis, Aromaticity and Application of Tetrathia/oxa[22]annulene[2,1,2,1] as Organic Field-Effect Transistors
69	Feb. 7-9, 2012	SCIENCE IN THE 21ST CENTURY" 15th Punjab Science Congress held at Guru Nanak Dev University, Amritsar	Synthesis, Aromaticity and Application of Tetrathia/oxa[22]annulene[2,1,2,1] as Organic Field-effect transistors
70	Feb. 7-9, 2012	SCIENCE IN THE 21ST CENTURY" 15th Punjab Science Congress held at Guru Nanak Dev University, Amritsar	Decolourisation of Indigo dye by Aerobic Mixed Culture
71	Mar. 12-13, 2009	National Symposium on Emerging Trends in Chemical Analysis and Synthesis (ETCAS-09) organized at Sant Longowal Institute of Engineering and Technology, Longowal	Chemodosimetric probe for CN^- recognition based on triarylmethane dye
72	Dec. 10-13,	3rd International Conference on	Application of heterocyclic azo dyes as

	2011	Heterocyclic Chemistry organized at University of Rajasthan, Jaipur	colorimetric chemosensors for selective detection of cations
73	Dec. 15-18, 2011	7th J-NOST organized at Indian Institute of Science Education and Research (IISER), Mohali	*Push-pull* chromophores as colorimetric chemosensors for ionic analytes
74	Sept. 22-24, 2011	North Zone Meeting of the Chemical Research Society of India, held at the Department of Chemistry, University of Jammu, Jammu	High performance, stable organic field-effect transistors. Synthesis, physical properties and device characterization
75	Dec. 23-24, 2011	National Symposium on Chemistry in 21st Century organized at Department of Chemistry, Guru Nanak Dev University, Amritsar	Synthesis, Aromaticity and Application of Tetrathia/oxa[22]annulene[2,1,2,1] as Organic Field-Effect Transistorss
76	Feb. 3-5 2012	14th CRSI National Symposium in Chemistry held at National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvanthapuram	Heterocyclic Chemical Entities: Synthesis and Applications in Medicine and Material Science
77	Sept. 22-24, 2011	North Zone Meeting of the Chemical Research Society of India, held at the Department of Chemistry, University of Jammu, Jammu	Functional organometallic "Push-Pull" chromophores
78	Dec. 15-18, 2011	7th J-NOST organized at Indian Institute of Science Education and Research (IISER), Mohali	Design, Synthesis & Non-Linear Optical behaviour of π-conjugated molecular switches
79	Dec. 23-24, 2011	National Symposium on Chemistry in 21st Century organized at Department of Chemistry, Guru Nanak Dev University, Amritsar	Development of heterocyclic chromophores: Applications in the field of sensors
80	Feb. 7th - 9th, 2012	15th Punjab Science Congress organized at Guru Nanak Dev University, Amritsar	Application of heterocyclic azo dyes as colorimetric chemosensors for selective detection of cations
81	Feb. 3 -5 2012	14th CRSI National Symposium in Chemistry held at National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvanthapuram	Ferrocenyl "Push-Pull" chromophores with tailorable and switchable non-linear optical response
82	Feb. 7-9, 2012	15th Punjab Science Congress organized at Department of Chemistry, Guru Nanak Dev University, Amritsar	Synthesis and aromaticity of Tetrathia[22]annulene: Application as organic field-effect transistors
83	Feb. 7-9, 2012	15th Punjab Science Congress organized at Department of Chemistry, Guru Nanak Dev University, Amritsar	Ferrocenyl "Push-Pull" chromophores with tailorable and switchable non-linear optical response

84	Dec. 14-17, 2012	8th J-NOST conference organized at Indian Institute of Technology (IIT), Guwahati	Design and synthesis of new antiplasmodial and antimycobacterial agents
85	Aug. 25-29, 2013	SPIE Optics + Photonics 2013 at San Diego Convention Centre, San Diego, California, USA	Heteroannulenes: novel materials for organic field effect transistors
86	Feb. 07-09 , 2014	16th CRSI National Symposium in Chemistry at IIT-Mumbai	Poster presentation entitled " $BF_3.Et_2O$ promoted highly regioselective addition of Organozinc Reagents to 2-Oxo 1,2 dihydropyrimidine-5-carboxylates
87	Feb. 07-09, 2014	16th CRSI National Symposium in Chemistry at IIT-Mumbai	Push-pull chromophores as colorimetric chemosensors for cations
88	Feb. 27 –28, 2014	IVth National Symposium on Advances in Chemical Sciences organized at Department of Chemistry, Guru Nanak Dev University, Amritsar	The Quinoline-Pyrimidine Hybrids: Synthesis, Heme binding, β- Hematin Inhibition and DNA Binding Studies
89	Feb. 27-28, 2014	IVth National Symposium on Advances in Chemical Sciences organized at Department of Chemistry, Guru Nanak Dev University, Amritsar	$BF_3.Et_2O$ promoted Addition of Organozinc Reagents to Azomethine carbon of 2-Oxo 1,2 dihydropyrimidine-5-carboxylate
90	Feb. 27-28, 2014	IVth National Symposium on Advances in Chemical Sciences organized at Department of Chemistry, Guru Nanak Dev University, Amritsar	Synthesis, aromaticity and application of S/O-bridged annulenes as organic field-effect transistors
91	Feb. 27-28, 2014	IVth National Symposium on Advances in Chemical Sciences organized at Department of Chemistry, Guru Nanak Dev University, Amritsar	Synthesis and development of pyrene based systems as efficient cationic probes
92	Feb. 27-28, 2014	IVth National Symposium on Advances in Chemical Sciences organized at Department of Chemistry, Guru Nanak Dev University, Amritsar	-
93	Mar. 01- 04, 2014	20thISCBC International conference on Chemistry and Medicinal Plants in Translational Medicine for Health care organized at Department of Chemistry, University of Delhi, Delhi	Synthesis, biological activity and mode of action of 4-aminopyrimidine-pyrimidine Hybrids
94	Oct. 09-11,	TFOC-Transcending Frontiers in Organic Chemistry at NIIST, Trivandrum, Kerala	An ultra-sensitive emissive probe for sensing of picric acid

	2014		
95	Oct. 09-11, 2014	National Symposium on Transcending Frontiers in Organic Chemistry, at NIIST, Trivandrum, Kerala	Regioselective structure diversification of calix[6]arenes
96	Oct. 09-11, 2014	National Symposium on Transcending Frontiers in Organic Chemistry, at NIIST, Trivandrum, Kerala	Synthesis of Diketopyrrolopyrrole based "Push- Pull" π-conjugated chromophores for NLO applications
97	Mar. 6-9, 2015	21st Conference of NMRS of India at GNDU, Amritsar	Spectroscopic Studies of herterocyclicdys with selective cations
98	Mar. 6-9, 2015	21st Conference of NMRS of India at GNDU, Amritsar	Selective functionalisation of methylene bridge of calix[6]arenes. Isolation and identification of conformational isomers of methyl ether of p-*tert*-butyl calix[6]arene
99	Mar. 6-9, 2015	21st Conference of NMRS of India at GNDU, Amritsar	Design, synthesis and evaluation of Donor-Acceptor Chromophores for material science related properties
100	Dec. 14-17, 2015	XI-J NOST Conference at NISER, Bhubaneswar, Odisha	Synthesis of ferrocene-diketopyrrolopyrrole based π-conjugated dyads for NLO applications
101	Dec. 14-17, 2015	XI-J NOST Conference at NISER, Bhubaneswar, Odisha	Selective functionalisation of methylene bridge of Calix[n]arenes
102	Dec. 14-17, 2015	XI-J NOST Conference at NISER, Bhubaneswar, Odisha	Combatting Drug Resistance: Synthesis, activity and mode of action of new hybrid antimalarials
103	Feb. 2-3, 2016	Vth National Symposium on Advances in Chemical Sciences held at Guru Nanak Dev University, Amritsar	Ferrocene-α-cyanostilbene based dyads and triads- Synthesis, characterization and NLO applications
104	Feb. 2, 2017) and (Feb. 3-5, 2017	11th CRSI-RSC Joint Symposium and 20th CRSI National Syposium in Chemistry held at Guwahati, Assam, India	Ferrocene-Diketopyrrolopyrrole based *Push-Pull* entities- A new entry into Second-order NLO active chromophores
105	Mar. 6-7, 2017	VIth National Symposium on Advances in Chemical Sciences held at Department of Chemistry, Guru Nanak Dev University, Amritsar, Punjab	Structure dependent second-order NLO behaviour of *f*errocene-diketopyrrolopyrrole based "*Push-Pull*" systems
106	Feb. 2, 2017)	11th CRSI-RSC Joint Symposium and 20th	α-Cyanostilbenes-Promising candidates

	and (Feb. 3-5, 2017	CRSI National Syposium in Chemistry held at Guwahati, Assam, India	for second-order NLO and biological sensing
107	Mar. 6-7, 2017	VIth National Symposium on Advances in Chemical Sciences held at Department of Chemistry, Guru Nanak Dev University, Amritsar, Punjab	α-Cyanostilbenes based potential candidates for second-order NLO and biological sensing
108	Feb. 02-03, 2016	Vth NASCS Symposium at GNDU, Amritsar	Application of pyrene as a fluorescent probe for the detection of various analytes
109	Jul. 24-28, 2016	5th International Conference on Molecular Sensor and Logic Gates (MSMLG) organized at University of Bath, England	Development of BODIPY Dyes as Colorimetric and Flourmetric Chemosensors for Ionic Analytes
110	Feb. 02-05, 2017	20th CRSI National Symposium including 11th CRSI-RSC symposium in Chemistry held at Guahati University, Guwahati	Ferrocene based *Push-Pull* NLO active materials
111	Mar. 6-7, 2017	VIth NSACS Symposium at GNDU, Amritsar	Exploring the Sensing and Nonlinear properties of BODIPY Dye
112	Feb. 02-03, 2016	Vth NASCS Symposium at GNDU, Amritsar	Nonlinar Optical Behaviour (SHG) of Ferrocene based *Push-Pull* Chromophores
113	Feb. 2-3, 2016	Vth National Symposium on Advances in Chemical Sciences at Department of Chemistry, Guru Nanak Dev University, Amritsar	*meso*-Elaboration of calix[6]arenes *via* highly regioselective lithiation-substitution protocol
114	Feb. 3-5, 2017	20th CRSI National Symposium in Chemistry organized at Department of Chemistry, Gauhati University, Guwahati	Sulfur and Oxygen bridged [22]porphyrin(2.1.2.1)s. Second and third-order nonlinear optical response
115	Mar. 6-7, 2017	VIth National Symposium on Advances in Chemical Sciences organised at Department of Chemistry, Guru Nanak Dev University, Amritsar	Nonlinear optical response in tetrathia/oxa bridged[22]porphyrin(2.1.2.1)s
116	Oct. 2-6, 2017	RSC-NOST symposium on Biomolecular and Organic Chemistry at Leeds, UK	-
117	Mar. 26-27, 2018	VIIth National Symposium on Advances in Chemical Sciences organised at Department of Chemistry, Guru Nanak Dev University, Amritsar	Synthesis of Quinoline-Dihydropyrimidin-2(*1H*)-one Phosphoramide Hybrids and their *In vitro* Antiplasmodial Evaluation
118	Nov. 28-Dec.	XIV-J NOST Conference at CSIR-IICT,	Ivermectin Hybrids: Promising

	1, 2018	Hyderabad	Multistage Targeting New Antimalarials
119	Feb. 15-16, 2019	VIIIth National Symposium on Advances in Chemical Sciences organised at Department of Chemistry, Guru Nanak Dev University, Amritsar	Ivermectin Hybrids: Promising Antimalarials for Multistage Targeting
120	Feb. 25-26, 2019	Ist International conference International Conference on Integrative Chemistry, Biology and Translational Medicine	Synthesis and Antiplasmodial Activities of Quinoline- Dihydropyrimidin-2(1*H*)-one Phosphoramide Hybrids
121	Oct. 18-21, 2019	XV-J NOST Conference at University of Delhi, Delhi	Synthesis, linear and nonlinear optical behaviour of fluorene-based dyads
122	Nov. 6-9, 2019	3rd AsianChip at Department of Chemistry, Guru Nanak Dev University, Amritsar, Punjab, India	Theoretical Approach towards the Investigation of Linear and Second-Order Nonlinear Optical based dyads
123	Oct. 31-Nov. 01, 2020	First Virtual J-NOST Conference (JNOST-16), organized at Indian Institute of Science (IISc), Bangalore	Design, Synthesis, Spectroscopic, and Non-linear Optical Properties of Push-Pull Chromophores with Acceptor Groups of Varying Strength
124	Feb. 07-09, 2022	25th Punjab Science Congress organized at Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, Punjab	Synthesis, Linear, and Non-linear Optical Properties of "Push-Pull" Chromophores based on 9,9-Dimethyl-9H-fluoren-2-amine
125	Feb. 07-09, 2022	25th Punjab Science Congress organized at Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, Punjab	Ivermectin Hybrids: Promising Multistage Targeting New Antimalarials
126	Feb. 07-09, 2022	25th Punjab Science Congress organized at Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, Punjab	A fluorene-based probe: Synthesis and "turn-on" water sensitivity of the in-situ formed Cu^{2+} complex: Application in bio-imaging
127	Mar. 19, 2022	one day international symposium on held at Department of Chemistry, Guru Nanak Dev University, Amritsar	A bis-pyrene chalcone based fluorescent material for ratiometric sensing of hydrazine: An acid/base molecular switch and solid-state emitter
128	Jul. 07-09, 2022	29th CRSI- National Symposium in Chemistry & CRSI-ACS Symposium Series in Chemistry organized at Indian Institute of Science Education and Research (IISER) Mohali	Ivermectin Hybrids for Multistage Plasmodium Targeting: Synthesis and Antiplasmodial Activity
129	Aug. 06-08, 2022	International Conference on Advanced Functional Materials: Future Perspective (AFMFP-2022), held at Dr. B. R.	Synthesis, Linear, and Non-linear Optical Properties of "Push-Pull" Chromophores based on 9,9-Dimethyl-

		Ambedkar National Institute of Technology, Jalandhar, India	9H-fluoren-2-amine
130	Aug. 06-08, 2022	International Conference on Advanced Functional Materials: Future Perspective (AFMFP-2022), held at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India	Synthesis and Dual-Stage Antiplasmodial Activity of Molecular Hybrids Based on Ivermectin.
131	Aug. 10-12, 2022	3-days On Site Hand on Work Shop on Computational Structure-based Drug Design and Molecular Dynamics Organized at Guru Nanak Dev University, Amritsar	-
132	Nov. 10-11, 2022	Recent Advances in Chemical Sciences (RACS-2022)" organized at Department of Chemistry and Chemical Sciences, Central University of Jammu, Jammu, India	-
133	Nov. 10-11, 2022	Recent Advances in Chemical Sciences (RACS-2022)" organized at Department of Chemistry and Chemical Sciences, Central University of Jammu, Jammu, India	Synthesis and Dual-Stage Antiplasmodial Activity of Molecular Hybrids Based on Ivermectin

C.II. International

S. No.	Date	Title of Conference/Institution	Title / Subject of presentation (if made)
1.	June 23-26, 2019	Invited lecture at International Seoul Symposium on Exotic Porphyrins and Related Systems (ISSEPR 2019) held at Hotel President, Seoul, South Korea	Porphyrins with Tailorable and Switchable Charge Transport and Non-linear Optical Response
2.	15th December 2014	Invited lecture at Department of Chemistry, Ehwa Women University, Seoul, South Korea	Novel Porphyrinoids: Synthesis and Structure dependent semiconducting behaviour
3.	13th	Invited lecture at Department	Tetrathia/oxa[22]porphyrin(2.1.2.1)s:

	December 2014	of Chemistry, Korea University, Seoul, South Korea	Synthesis and Structure dependent semiconducting behavior
4.	11th December 2014	Invited lecture at Department of Chemistry, Kangwon, National University, Chun Cheon, South Korea	Tetrathia/oxa[22]porphyrin(2.1.2.1)s: Intriguing structures, aromaticity and charge transport in OFETs
5.	6th June, 2007	Invited talk presented at International Conference on Organic Chemistry (ICOC) at Erzurum, Turkey	Investigations in decorated dihydropyrimidinone scaffolds
6.	1994	An invited talk delivered at Instituto de Quimica Organica General, Madrid, Spain	Perhydro 1,3-heterocycles in Biomimetic Organic Transformations

D. Participation and contribution in National/International For a in the area of your academic and professional expertise

		Number(s)
Plenary Lectures/Invited Talks	International	05
	National	45
Congresses attended	International	10
	National	Over 150
Examinarship etc.	International	03 (Ph.D. thesis from Cape Town, South Africa)
	National	Over 100
Other(s)	International	02 Research project evaluation
	National	Several

9. Research Projects:

S. No.	Client / Organization's name	Nature ofproject	Duration of project	Amount of grant (Rupees)
1.	FCT, Portugal	Major Research Project	2023-2025	10,000 Euros
2.	RUSA-II	Research Project	2020-2022	15 lac
3.	SERB (DST)	Major Research Project	2020-2023	39.16 lac
4.	SERB (DST)	Major Research Project	2017-2019	27.85 lac
5.	CSIR, New Delhi	Major Research Project	2017-2019	12 lac
6.	CSIR, New Delhi	Major Research Project	2012-2015	17 lac
7.	SERB (DST)	Major Research Project	2014-2017	47 lac
8.	CSIR, New Delhi	Major Research Project	2010-2013	6.09 lac
9.	Ministry of Environment & Forests	Major Research Project	2009-2012	13.23 lac
10.	CSIR, New Delhi	Major Research Project	2010-2013	9.5 lac
11.	UGC, New Delhi	Major Research Project	2009-2012	8.45 lac
12.	UGC, New Delhi	SAP Project	2011-2014	75 lac
13.	AICTE, New Delhi	Major Research Project	2007-2009	15.0 lac
14.	UGC, New Delhi	Major Research Project	2006-2009	11.64 lac
15.	CSIR, New Delhi	Major Research Project	2004-2007	13.88 lac
16.	AICTE, New Delhi	Major Research Project	2001-2004	6.75 lac
17.	UGC, New Delhi	Major Research Project	2001-2004	3.29 lac
18.	CSIR, New Delhi	Major Research Project	2001-2004	7.0 lac
19.	The British Council	Research Project	2000-2003	Books and Travel
20.	CSIR, New Delhi	Major Research Project	1997-2001	4.5 lac
21.	CSIR, New Delhi	Major Research Project	1993-1997	6.0 lac

10. Details of Patents (Published/Granted): Nil

11. Consulting experience:

S. No.	Client/Organization's name	Nature of assignment	Duration of assignment
1.	Textile Industry	Testing Services of raw and finished products	Over 20 years
2.	Punjab Pollution Control Board	To perform inspection of textile industry	-
3.	Excise and taxation	To identify the impounded raw materials	-

List key consulting assignments undertaken:

12. Honours/Awards & Fellowships for Outstanding Work:

S. No.	Name of Award / Fellowshipetc.	Elected / Honorary Fellow	Awarded by	Year of Award
1.	Bronze Medal	-	Chemical Research Society of India (CRSI)	2009
2.	Professor K. Venkataraman Endowment Lecture award	-	Institute of Chemical Technology, Mumbai	2015
3.	Best poster awards	-	CRSI	Four times
4.	Council Member	-	National Organic Symposium Trust (NOST)	2015-2018
5.	Member	Elected	National Academy of Sciences India	2006
6.	Member, SRF Selection Committee	-	Council of Scientific and Industrial Research	2021-onwards

7.	Member, Summer Research Fellowship Selection Committee 2022	-	Chair, Joint Science Education Panel Indian Academy of Sciences, IISc, Bangalore	2021 onwards
8.	Member, Core Committee (Organic Chemistry), SURE, SERB	-	Department of Science & Technology, Govt. of India	2022 onwards

13. No. of Research Scholars successfully guided:

Name of Programme	Awarded No.
Ph.D.	**24**

14. Strengths:

For the all-important position of Vice-Chancellor, apart from academic credentials, I have amply demonstrated and possess ability to manage people who held contrarian views on the dicey situations as experienced during my administrative stint as Dean Academic Affairs of this University. During my career as a Professor, I have earned impeccable integrity, in addition to the administrative and leadership acumen. Further, I have raised funds for my independent research, as well as for the Department from the Federal agencies, both national as well as international and have guided students for their successful careers.

As financial crunch in universities has become a big issue, I have enough experience to tackle this issue by raising funds, both external as well as internal management.

A University must offer new, unique, job-oriented courses to train the youth to meet future challenges. In this context, as Dean Academic Affairs, I was given the task of starting new courses. I persuaded and convinced the faculty that led to starting over a score of new courses on the campus. I think creating enthusiasm in the faculty and students to do original research and publish original research papers in high impact journals of international repute is the necessity of the time because of the lack of interest among these stakeholders. We have, in the past, demonstrated this and convinced the younger faculty to initiate research in their disciplines and set benchmarks for the promotions. Very gratifyingly, we succeeded and all the new appointees started publishing and eventually got promotions as well.

Another area that needs special attention is the removal of obsolescence from the courses of the study being approved by the academic councils of the universities. In this context, participation of different stakeholders, such as industry representatives, external experts, meritorious pass out students etc. in framing courses of study is the need of the hour. As coordinator NRC, I prepared 40 module (40 video lectures), which was successfully launched on the SWAYAM portal.

Finally, I can assure utmost honesty, professional integrity and upliftment of higher education by way of improvement in quality of teaching and/or starting new, innovative courses in the university.

15. Your vision for the University (upto 500 Words):

The economic crises being faced by the public universities nationwide is mainly a result of systemic evolution as well as leadership crises. The university represents an extension of society and is never immune to the influence of transformational revolutions, pandemics etc. The post-COVID-pandemic scenario has witnessed a significant decrease in the intellectual footfall in the campuses, which needs to be revived to remove the academic draught. There is a need to promote applied research to deal with the current menace of environmental degradation as well as to fine new solutions to cut the use of toxic pesticides in the state.

In light of the implementation of the NEP, the introduction of new teaching practices, removal of obsolescence in the course contents, adoption of new examination system is desperately needed.

University faculty has to be given orientation to reorient their academic strength to impart job-oriented education to the youth to lower the unemployment rate especially given the post-COVID slower growth rate. Another attribute that mutilates the growth of universities is the lack of academic freedom, which is an essential component towards the upliftment of the academic standards of a university.

16. Details of Referees, if any:

S. No.	Name of the Referee/s	Post Held by Referee	Email	Phone No.	Mobile
1.	Professor Dr. Puspendu K. Das, FASc	Professor, Joint Science Education Panel, Indian Academy of Sciences & Professor Dept. of Inorganic & Physical Chemistry, Indian Institute of Science (IISc), Bangalore	pkdas@ipc.iisc.ernet.in, pkdasipc@gmail.com	91-80-2293-2662 (off)/2582 (lab) 2360-2223 (home)	9663671920
2.	Professor (Dr) Ganapati D. Yadav, FNA, FASc, FNASc	National Science Chair (SERB/DST/GOI) and Emeritus Professor of Eminence (Current titles) Former Vice-Chancellor and R.T. Mody Distinguished Professor & Tata Chemicals Darbari Seth Distinguished Professor of Leadership & Innovation (2009-2019) Padmashri Awardee, by President of India (2016) Former J.C. Bose National Fellow	gd.yadav@ictmumbai.edu.in	T: 91-22-3361-2010; F: 91-22-3361-1020; B: 91-22-22-3361-1111/2222	

		(SERB/DST/GOI) (2010-2020)			
3.	Professor Uday Maitra, FNA, FASc, S.S. Bhatnagar Awardee	Professor of Organic Chemistry, Indian Institute of Science (IISc), Bangalore	maitra@iisc.ac.in	91-80-2293-2690, 2360-1968	9448371447

I, hereby, declare that all the statements/ particulars made/furnished in this application are true, complete and correct to the best of my knowledge and belief. I also declare and fully understand that in the event of any information furnished being found false or incorrect at any stage, my application/candidature is liable to be summarily rejected at any stage and if I am already appointed, my services are liable to be terminated without any notice from the post of Vice-Chancellor as per Act/ Statutes etc. and other applicable rules.

Kamaljit Singh

Place: Amritsar (Signature of the Applicant)

Date: October 14, 2024