


## Department of Chemistry

### Personal Information

Name	Monika Chetal	
Father Name	Sh. Ashok Kumar	
Mother Name	Smt. Shanta Chetal	
Nationality	Indian	
Present Postal Address	C/o Sh. Satish Kumar Lumb Advocate, Ward No. 8, Banga Chownk, Garhshankar, Distt. Hoshiarpur, Pin-144527	
Permanent Postal Address	C/o Sh. Satish Kumar Lumb Advocate, Ward No. 8, Banga Chownk, Garhshankar, Distt. Hoshiarpur, Pin-144527	
Present Designation	Assistant Professor in Chemistry, In-Charge of Collegiate School	
Gender	Female	
Marital Status	Married	
Date Of Birth	02-01-1978	
Email address	<a href="mailto:mchetallumb@gmail.com">mchetallumb@gmail.com</a>	
Mobile	9878962451	

### Academic Information

Name of Exam/Degree	Name of the Board / University	School / College	Year of Passing	Marks. Obt./ Max. Marks	%/C GPA	Subjects
<b>Matriculation</b>	P.S.E.B	Govt. Girls Sen. Sec. School, Balachaur	1993	480/650	73.8 5 %	Sc., S.S.,Pbi., Hindi, Math., Eng.
<b>Secondary /Diploma</b>	P.S.E.B	KMV College, Jalandhar	1995	325/450	72.2 2%	Chemistry, Physics, Biology, Eng., Pbi.
<b>Under-Graduation (BA/BSc/BCA /BBA/B.Com/ BE/ BTech etc.)</b>	G.N.D.U Amritsar	KMV College, Jalandhar	1998	1683/2400	70.1 2 %	Chemistry, Botany, Zoology, Gen. Pbi., Gen. Eng.
<b>Post-Graduation (MA/MSc/MCA /MBA/M.Com</b>	P.U. Chandigarh	P.U. Chandigarh	2000	1004/1500	66.9 3 %	Organic, inorganic and physical chemistry

/ ME/ MTech etc.)						
M. Phil						<b>Title of Dissertation:</b>
Any other Exam. passed B.Ed,	G.N.D.U Amritsar	D.A.N College of Education, Nawanshahr	2001	779/1200	64.92 %	Teaching subjects

### Subject & Specialization

<b>Subject</b>	<b>Chemistry</b>
<b>Specialization</b>	<b>Inorganic chemistry</b>

### PG Dissertation/Project Work Detail

Title of PG Dissertation/Project	Name of PG Program	Name of the University	Year
X-Ray Structure Determination: Some Experiences with Inorganic and Organic Structures	M.Sc.	Panjab University, Chandigarh	2000

### Ph. D Detail if Completed/pursuing

Ph.D Completed	Name of the University	Date of Notification	Title of Thesis
Completed	Panjab University	28-June-2022	Synthesis, characterization and structural aspects of supramolecular entities of Cobalt(III) based on anion recognition by non-covalent interactions

### Details of UGC / NET/ GATE/ JRF / SLET / SET

Details of UGC / NET/ GATE/ JRF / SLET / SET	Year Qualified	Subject
UGC-NET	2000	Chemical sciences

### Teaching Experience

Name & address of employer/ Inst.	Designation	Type of Appointment	Pay Scale with AGP	Basic Pay	From	To	Duration
B.A.M. Khalsa College, Garhshankar	Assistant Professor	Permanent	37,400-67000 + 8000AGP	33,180	4 <sup>th</sup> July, 2005	Present	17+ years

### Research Work

Publications	Published/Accepted for publication	Numbers
1	Paper in International Journals / Articles	2
2	Paper in Indian Journals / Articles	
3	Papers in Conference/Symposium & Seminars etc.	
4	Books/Book Chapters	1
5	Research Projects	

### Papers/Articles in National/International Journals

Names of Authors	Title with Vol., Page No., Year	ISSN/ ISBN No.	UGC Approved or Not. If approved, then UGC Journal Number	DOI Number and Web Link
Santosh Arora, Dinesh Talwar, Monika Chetal, Anamika Yadav, Preeti Kaur, Shallu Goyal, Subash C. Sahoo, Rohit Sharma	Synthesis, Crystal Structure, Antibacterial and Cytotoxic aspects of Co(III) complex: [Co(bpy) <sub>2</sub> CO <sub>3</sub> ] (PNP).4H <sub>2</sub> O 1216, 128312 2020	ISSN 0022-2860	UGC approved	<a href="https://doi.org/10.1016/j.molstruc.2020.128312">https://doi.org/10.1016/j.molstruc.2020.128312</a>
Monika Chetal, Dinesh Talwar, Raghubir Singh,	Triethylenetetramine complexes of cobalt(III) having anion binding	ISSN: 0974-3626	UGC approved	<a href="https://doi.org/10.1007/s12039-020-01877-z">https://doi.org/10.1007/s12039-020-01877-z</a>

Santosh Arora, Vimal Bhardwas , Subash Ch. Sahoo, Raman Kumar and Rohit Sharma	sites: synthesis, characterisation, crystal structure, anti-bacterial and anti-cancer properties of [Co(trien)(NO <sub>2</sub> ) <sub>2</sub> ]2Cr <sub>2</sub> O 7 and [Co(trien)(NO <sub>2</sub> ) <sub>2</sub> ]SCN 2020			
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**Poster Presentation/Papers/Articles in Conference/Symposium & Seminars**

<b>Names of Authors</b>	<b>Title with Vol., Page No.</b>	<b>ISSN/ ISBN No.</b>	<b>National/ International</b>	<b>Place</b>	<b>Date</b>	<b>DOI Number and Web Link</b>
Monika Chetal	Poster presentation on Preparation of Bis-5,5-Dimethyl cyclohexanediones	NA	National Seminar	DAV College Hoshiarpur	November 15, 2014	NA
Monika Chetal	Poster presentation On Arsenic contamination and its effects	NA	National Conference	Multani Mal Modi College, Patiala	January 30-31, 2015	NA
Monika Chetal	Poster presentation on Coal ash contamination and their effect on human health and environment	NA	National Seminar	Punjabi University, Patiala	February 19-20, 2015	NA
Monika Chetal	Poster presentation on anion sequestration by weak interactions: synthesis, structural characterization and biological properties	NA	National Symposium	Panjab University, Chandigarh	February 27-28, 2020	NA

### Books/Book Chapters

<b>Names of Authors</b>	<b>Title with Vol., Page No.</b>	<b>Book Title, Editor</b>	<b>ISSN/ISBN No.</b>	<b>Publisher</b>	<b>Year</b>
Monika Chetal		Physical Chemistry	ISBN 978-93-89875-28-7	A.P.H. Publishing Corporation New Delhi	2020

### Research Projects

<b>Title of Project</b>	<b>Funding Agency</b>	<b>Amount</b>	<b>File No. and Date of sanctioned</b>	<b>Current Status</b>

### Refresher Courses/General orientation Courses/Faculty Development Programs attended

<b>Name of Program</b>	<b>Topic</b>	<b>Place</b>	<b>Duration and Date</b>	<b>Sponsored by</b>
Orientation Program		Panjab University, Chandigarh	28 days, 02.06.2009-29.06.2009	UGC
Refresher Course		Panjab University, Chandigarh	21 days 04.09.2010-24.09.2010	UGC
Refresher Course		Panjab University, Chandigarh	21 days 30.04.2016-20.05.2016	UGC
FDP	Research Methodology and Data Analysis using SPSS	K.R. Mangalam University, India	July 6, 2020 to July 10, 2020	Online
FDP	Role of ICT in Education	B.A.M Khalsa College, Garhshankar	4 <sup>th</sup> May,2021 to 8 <sup>th</sup> May,20 21	Online
FDP	Research & Innovation in the World of Textiles, Apparel, Fashion & Lifestyle		Feb. 2, 2021 to Feb. 8, 2021	RUSA
FDP	Revised NAAC accreditation framework perceptions		May12, 2021 to May15 2021	Online

### Conferences/Seminars/Webinars/workshops attended

<b>Name of Program</b>	<b>Topic</b>	<b>Place</b>	<b>Duration and Date</b>	<b>Sponsored by</b>
National Conference	Climate change, Impact and Adaptation Practices	B. A. M. Khalsa College, Garhshankar	Three days, February 14-16, 2012	UGC
National Conference	Man and environment	Punjabi University, Patiala	Two days, October 15-16, 2012	
National Seminar	Problem of communalism in India with special reference to the partition of India	B. A. M. Khalsa College, Garhshankar	One day, 28 <sup>th</sup> January, 2015	ICSSR, N.W. Regional Centre, P.U. Chd.
National Seminar	Perspectives in strategic management	B.A.M. Khalsa College, Garhshankar	One day, 3 <sup>rd</sup> march, 2015	UGC
National Seminar	Contemporary issues in NAAC, CBCS and API score	B.A.M. Khalsa College, Garhshankar	One day, March 16, 2016	College Development Council, Panjab University, Chandigarh
Workshop-cum-seminar	Statistical Methods and Analysis	D.A.V. College, sec-10, Chandigarh	One day, January 14, 2016	
National Seminar	Role of individual and scientists towards conservation of biodiversity	B.A.M. Khalsa College, Garhshankar	One day, February 17, 2017	College Development Council, Panjab University, Chandigarh
Workshop	National Workshop on Basic ICT Skills, e-Learning and MOOCs for Educators	Sri Guru Gobind Singh College, Chandigarh	Two days, February 20-21, 2017	

Workshop	Research methodology and data analysis using SPSS	K. R. Mangalam University	One week, 6-10 <sup>th</sup> July, 2020	
Technical talk-cum-Webinar	Role of Big Data in Sciences	B.A.M. Khalsa College, Garhshankar	One day January 21, 2021	
Online FDP	Research and Innovation in the World of Textiles, Apparel, Fashion and Lifestyle	Panjab University, Chandigarh	7 Days 02.02.2021-08.02.2021	RUSA

### **Faculty Development Programs/Conferences/Seminars/Webinars/workshops organized**

<b>Name of Program</b>	<b>Topic</b>	<b>Place</b>	<b>Duration and Date</b>	<b>Sponsored by</b>
Webinar	Awareness of COVID-19 Vaccination	B.A.M. Khalsa College, Garhshankar	One day and 28-01-2021	III-Society of Science Students, B.A.M. Khalsa College, Garhshankar.
Seminar	Innovation in Chemistry	B.A.M. Khalsa College, Garhshankar	One day and 29-01-2021	III-Society of Science Students, B.A.M. Khalsa College, Garhshankar.

### **Invited Talks/Expert Talks/Chaired Sessions in Conferences/Seminars/Webinars/workshops**

<b>Name of Program</b>	<b>Topic</b>	<b>Place</b>	<b>Duration and Date</b>	<b>Sponsored by</b>

### **Awards/Fellowships**

<b>Title of Awards/ Honours</b>	<b>Year</b>	<b>Awarding body</b>	<b>International/ National/ State/ Professional bodies/ Other</b>
Best student award	1998	KMV college, Jalandhar	

### Membership of Professional Bodies

Name of Professional Body	Type of Membership	Membership No.

Monika Chahal  
03-02-2021

(Signature of Employee with Date)



