

## CURRICULUM VITAE

### **Dr. Akul Sen Gupta**

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I believe that working in challenging atmosphere provides me an opportunity to grow & learn and to live each day of my life with courage integrity, to live true my principle.

### **PERSONAL PROFILE**

Father's Name	:	Sh. Rajan Gupta
Marital Status	:	Single
Gender	:	Male
Nationality	:	Indian
Date of Birth	:	04 <sup>th</sup> Septemeber 1989
Languages Known	:	English, Hindi and Punjabi
Hobbies	:	Playing Cricket, Listening to Music

### **EDUCATIONAL QUALIFICATION**

<b>EXAMINATION</b>	<b>DISCIPLINE</b>	<b>SCHOOL/ COLLEGE</b>	<b>BOARD/ UNIVERSITY</b>	<b>PERCENT AGE</b>
<b>Ph.D.</b> (2016)	<b>Organic and Supramolecular chemistry</b>	<b>THAPAR UNIVERSITY SUPERVISOR – Dr. Vijay Luxami</b>	<b>THAPAR UNIVERSITY, PATIALA</b>	<b>8.66 CGPA</b>
<b>M.Sc.</b> (2012)	<b>CHEMISTRY (Spcl. Organic)</b>	<b>Multani Mal Modi College, Patiala</b>	<b>Punjabi University, Patiala</b>	<b>79.4%</b>
<b>B.Sc.</b> (2010)	<b>Bio-Technology</b>	<b>Govt. Mohindra College, Patiala</b>	<b>Punjabi University, Patiala</b>	<b>70.88%</b>
<b>Intermediate</b> (2007)	<b>Medical</b>	<b>Rukmani Devi Modi Collegiate Senior Sec School, Patiala</b>	<b>P.S.E.B</b>	<b>69.6%</b>
<b>Matriculation</b> (2005)	<b>S.S.C</b>	<b>St. Peter's Academy, Patiala</b>	<b>C.B.S.E</b>	<b>81.8%</b>

## EXPERIENCE

S.No.	DESIGNATION	ORGANISATION	DURATION
1	ASSISTANT PROFESSOR	SRI GURU GRANTH SAHIB WORLD UNIVERSITY, FATEHGARH SAHIB	September 2016 till present
2	PROJECT FELLOW (DST-INSPIRE project)	THAPAR UNIVERSITY, PATIALA	December 2012- August 2016

## PUBLICATIONS

1. Vijay Luxami, **Akul Sen Gupta** and Kamaldeep Paul, Dansyl-antipyrene dyad as fluorescent sensor for Cu<sup>2+</sup> and F<sup>-</sup>, Sequential XNOR logic operation, *New J. Chem.*, 2014, **38**, 2841-2846.
2. **Akul Sen Gupta**, Kamaldeep Paul and Vijay Luxami\*, Ratiometric fluorescent chemosensor for fluoride ion based on inhibition of excited state intramolecular proton transfer, *Spectrochim. Acta, Part A*, 2015, **38**, 67-72.
3. **Akul Sen Gupta**, Kamaldeep Paul and Vijay Luxami\*, Benzimidazole based ratiometric chemosensor for detection of CN<sup>-</sup> and Cu<sup>2+</sup> ions in protic/aqueous system: Elaboration as XOR logic operation, *Inorg. Chim. Acta.*, 2016, **443**, 57-63.
4. **Akul Sen Gupta**, Aparna garg, Kamaldeep Paul and Vijay Luxami\*, Differential sensing of fluoride and cyanide ions by using Dicyano substituted benzimidazole probe, *J. Lumin.*, 2016, **173**, 165-170.
5. **Akul Sen Gupta**, Kamaldeep Paul and Vijay Luxami\*, A fluorescent probe with "AIE + ESIPT" characteristics for Cu<sup>2+</sup> and F<sup>-</sup> ions estimation, *Sens. Actuators B: Chem.*, 2017, **246**, 653-661.
6. **Akul Sen Gupta**, Kamaldeep Paul and Vijay Luxami\*, ESIPT Coupled RAHB Probe for Estimation of Cyanide in Human Blood Serum/Plasma like Solutions using Chemodosimetric Approach, *Chemistry Select*, 2017, **2**, 800-804.

## INSTRUMENT HANDLING EXPERIENCE

- Fluorescence spectrophotometer.
- UV-Visible.
- HPLC
- Software like Gaussian, Delta etc.

### **CONFERENCES ATTENDED**

- Poster presented at NCIMS in School of Chemistry & Biochemistry, Thapar University, Patiala (24-26<sup>th</sup> October, 2013).
- Participated in the workshop on “NMR/MRI: From molecules to Human Behaviour” held at Department of Chemistry, Guru Nanak Dev University, Amritsar (06-11<sup>th</sup> October, 2014).
- Poster presented at 17th CRSI national conference at National Chemical Laboratory, Pune (6-8<sup>th</sup> Feb, 2015).
- Poster presented at SACOS in Department of Chemistry, Punjabi University, Patiala (19-20<sup>th</sup> February, 2015).
- Participated in the workshop on “Short term course on Advance material and Characterization Techniques” held at Department of Chemistry, National Institute of Technology, Jalandhar (01-07<sup>th</sup> June, 2015).
- Poster presented at 18th CRSI national conference at Department of Chemistry, Panjab University, Chandigarh (5-7<sup>th</sup> Feb, 2016).

### **OTHER QUALIFICATION**

- Programming Languages : C
- Tools: MS-PowerPoint, MS-Excel, MS-Word.

### **RESEARCH STUDENTS**

- Assisted Ph.D. research supervisor to handle for four M.Sc. students for their thesis work
- Supervising one M.Sc. student for research project.

### **COURSES TAUGHT**

- Application of Spectroscopy
- Organic Reactions
- Organic Rearrangements
- Bioorganic chemistry
- Surfactants, macromolecules and polymers
- Organic chemistry lab

### **OTHER ACTIVITIES**

- Topper of the college in all 4 semesters of M.Sc. Chemistry.
- Active participation in Blood Donation Camp organized in College/University.
- Attended and participated in two National conferences {RACES – 2011& 2012}.
- Presented a paper on “Chemistry in our Lives” and won the 2<sup>nd</sup> prize.
- Won 3<sup>rd</sup> prize in poster making competition and also participated in Quiz.
- Won the All-rounder award for excellence in all spheres during matriculation.
- Awarded the best commentator for annual day celebrations held in school.

## **TRAINING EXPERIENCE**

In plant practical training at Coca Cola, Ludhiana.

## **INNER STRENGTH**

- Good verbal & written communication skills.
- Ability to work in competitive environment.
- Ability to learn quickly.
- Good communication skills.
- Optimistic and like Challenging atmosphere.
- I am energetic, hard working, dedicates person, & have good planning skills.
- I have lot of patience, excellent learning capacities and always been looking for appropriate opportunities and have always been keep in accepting opportunities.

## **ACHKNOWLEDGEMENT**

I hereby declare that information furnished above is true and correct to best of my knowledge.

DATE:  
PLACE:

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(AKUL SEN GUPTA)