

## Curriculum Vitae

Anu Kadyan

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### Work Address:

Department of Chemistry  
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India

### Home Address:

Prem Nagar, Gali no 02  
Charkhi Dadri  
Bhiwani  
Haryana – 110016, India

Birth Date: July 08, 1992

### Educational Qualifications

#### Ph. D.

(2014 - Ongoing)

**Research Topic:** “Spectroscopic Investigation within Ionic Liquid and Deep Eutectic Solvent Based System” (CGPA – 9.043/10)

**Supervisor:** Prof. Siddharth Pandey, Department of Chemistry  
**Indian Institute of Technology Delhi**, New Delhi, India

#### M. Sc.

(2012-2014)

**Subject:** Chemistry (60.14 %)

**Miranda House, University of Delhi**, New Delhi, India

#### B. Sc. (H)

(2009-2012)

**Subject:** Chemistry (82.07 %)

**Miranda House, University of Delhi**, New Delhi, India

### Awards/Honors achieved

1. Among **top 0.1%** students of **All India Secondary School Exam 2007** in Science.
2. Awarded “**Student Excellence Award**” by State Govt. Haryana for securing rank 1 **Bhiwani District in 10th Board Examination** conducted by CBSE in **2007**.
3. Selected for “**Science meritorious Award**” in Chemistry (Hons.) first year in **Miranda House**.
4. Selected for **Summer Research Fellowship** by **Indian Academy of Science** in 2013.
5. Awarded **Research Scholars Travel Award** by Indian Institute of Technology Delhi for attending “**8th Annual Congress on Analytical and Bioanalytical Techniques**, 2017.
6. Qualified Joint **CSIR-UGC Junior Research Fellowship (JRF)** and Eligibility for Lecturership National-Eligibility-Test (NET) held in December, 2013 for the award of ‘**Junior Research Fellowship**’ in chemical sciences under the UGC Fellowship Scheme.
7. Qualified **Graduate Aptitude Test** for Engineering (GATE-2014) in Chemical Sciences.
8. Interviewed **Nobel Laureate Sir J. Fraser Stoddart** (Chemistry, 2016) during **ACS on Campus event** at the Indian Institute of Technology, Delhi on September 30 – October 1, 2015.

## Technical know-how

Sigma Plot, Chem Draw, Origin, Table Curve, DAS6 Analysis, Scifinder. *Techniques/Instruments*: Steady state fluorescence spectroscopy, time-resolved fluorescence spectroscopy (TCSPC based), dynamic light scattering, UV-VIS molecular absorbance spectroscopy, densitometer, viscometer, fourier transform infrared spectroscopy, advanced spectroscopic techniques such as photoluminescence imaging, and FTIR imaging.

## Publications

1. Behera, K.; Pandey, S.; **Kadyan, A.**; Pandey, S. Ionic Liquid-Based Optical and Electrochemical Carbon Dioxide Sensors. *Sensors* **2015**, *15*, 30487–30503.
2. **Kadyan, A.**; Behera, K.; Pandey, S. Hybrid Green Nonaqueous Media: Tetraethylene Glycol Modifies Properties of (Choline Chloride + Urea) Deep Eutectic Solvent. *RSC Adv.* **2016**, *6*, 29920–29930.
3. **Kadyan, A.**; Pandey, S. Microviscosity Offered by Ionic Liquids and Ionic Liquid–Glycol Mixtures Is Probe Dependent. *J. Phys. Chem. B* **2017**, *121*, 1081–1091.
4. **Kadyan, A.**; Pandey, S. Lithium bis(trifluoromethylsulfonyl)imide-added Ionic Liquid 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide Mixture: Densities and Dynamic Viscosities in the temperature range (298.15–358.15) K. *J. Chem. Thermodyn.* **2018**, *116*, 159–165.
5. **Kadyan, A.**; Pandey, S. Fluorescence Quenching within Lithium Salt-Added Ionic Liquid Media. *J. Phys. Chem. B* **2018**, *122*, 5106–5113.
6. **Kadyan, A.**; Gandhi, Y.; Pandey, S. Probing Interactions within Liquid Media via a Model H-Bond Donor-Acceptor Mixture. *Phys Chem Chem Phys* **2019**, *21*, 4791–4801.
7. **Kadyan, A.**; Juneja, S.; Pandey, S. Photophysical Behavior and Fluorescence Quenching of L-Tryptophan in Choline Chloride-Based Deep Eutectic Solvents. (Submitted)

## Teaching experience

1. IIT Delhi (July 2014 - July 2018): Teaching assistantship experience for the B. Tech. course CML100 during Ph.D. program.

## Workshop/Conferences attended

1. Presented an Oral Lecture in the International Conference “COIL-8” held at **Beijing, China** from 13-17<sup>th</sup> May 2019.
2. Participated in the **ACS on Campus event** at the Indian Institute of Technology, Delhi on September 30 – October 1, 2015.
3. Presented poster in “**International Conference on Frontiers at the Chemistry - Allied Sciences Interface** (FCASI-2016) held at University of Rajasthan, Jaipur, India during April 25-26, 2016.
4. Presented poster in the conference “**National Seminar on Biophysics**” (**Biophysika-2017**) on **March 16, 2017 organized by Centre for Interdisciplinary Research in Basic Sciences**, Jamia Millia Islamia, New Delhi, India.
5. Oral presentation in the “**International Conference on Showcasing the Contemporary Approaches in Analytical & Bioanalytical Techniques**”. August 2017 held in Brussels, Belgium.
6. Attended “**National Conference on Fluorescence and Raman Spectroscopy - FCS2017**” held at IIT Guwahati, India during 17<sup>th</sup>-21<sup>st</sup> December, 2017.
7. Presented Poster in the **ACS on Campus event** at University of Delhi, Delhi held on February 5, 2018.

8. Attended “**EUROPEAN RESEARCH DAY 2018**” on September 28, 2018 held in New Delhi.
9. Attended **Symposium on Empowering Women in Chemistry: A global Networking Event coordinated by IUPAC** held on 12<sup>TH</sup> February 2109, organized by Dept. of Chemistry, Miranda House.
10. Participated in workshop and symposium on “**Advanced Simulation Methods: DFT, MD and Beyond**” held at IIT Delhi from March 6-10<sup>th</sup> 2019.