

Ruhisha Anand
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EDUCATION

MSc Chemistry (Thesis); Anticipated September 2021

University of Saskatchewan

MSc Chemistry; 2017

Thapar Institute of Engineering and Technology, India

BSc Biotechnology; 2015

Punjabi University, India

RESEARCH

Graduate Research Assistant; 2018- Present

(Department of Chemistry, University of Saskatchewan)

Emphasis on studying the effects of nuclear motion as a function of temperature in *n*-Alkanes and Amino Acids using NEXAFS spectroscopy.

Student Researcher; 2017

(Thapar Institute of Engineering and Technology, India)

Six-month dissertation on the topic- Novel biosynthesis of silver nanoparticles and zinc oxide nanocomposites.

Summer Intern; 2016

(Punjabi University, India)

Biosynthesized and characterized silver nanoparticles from aqueous seed extracts of *Foeniculum vulgare* and *Cuminum cyminum*.

TEACHING EXPERIENCE

Teaching Assistant (CHEM 112); September 2019- May 2021

(Department of Chemistry, University of Saskatchewan)

- Supervise of all laboratory activities for a CHEM 112 laboratory
- Maintain a safe, instructive atmosphere in the laboratory at all times.
- Always followed and enforced safety guidelines in the laboratory.
- Pre-prepare and demonstrate all experimental procedures and calculations involved in an experiment during the lab session.
- Grade laboratory reports and pre-lab assignments.
- Maintain an accurate grade and attendance record.

Teacher; November 2016- September 2018

(Government Public School, Government of Punjab, India)

- Create a stimulating learning environment using creative techniques to deliver educational content.

- Prepare and deliver lessons, laboratory materials, and remedial programs that support individual and special needs
- Grade student assignments and exams
- Evaluate and report on student progress.
- Supervise extra-curricular and after school activities.
- Attend seminars and training programs for professional development.
- Perform duties according to professional codes of practice and legislation.

PUBLICATIONS

Temperature dependence in the NEXAFS Spectra of Protonated and Deuterated *n*-hexacontane

Ruhisha Anand,¹ Zachary Arthur,² Tom Regier,² Stephen Urquhart^{1, *}

(Status- In progress.)

SKILLS

<ul style="list-style-type: none"> • Multitasking • Data Analysis • Research 	<ul style="list-style-type: none"> • Teaching • Spectroscopy • General and organic chemistry
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HONORS

- Safety Committee Representative, Chemistry Course Council, 2020-2021
- Graduated with High Distinction, Thapar Institute of Engineering and Technology, 2017 (Patiala, India)

REFERENCES

1. Dr. Stephen Urquhart (Supervisor, University of Saskatchewan)
stephen.urquhart@usask.ca
2. Dr. Alexandra Bartole-Scott (Lab Manager, University of Saskatchewan)
alex.bartolescott@usask.ca