

RICHARD JAMES

Email: jamesr5@montclair.edu

Phone: 201-625-3605

EDUCATION

YEAR	DEGREE	DISCIPLINE	INSTITUTE	CGPA
2020	Master of Science	Sustainability Science	Montclair State University	3.89/4.00
2013	Bachelor of Science	Environmental Science (cum laude)	New Jersey City University	3.71/4.00

ACADEMIC ACHIEVEMENTS

- Awarded Geological Society of America Student Research Grant with merit
- National Science Foundation Fellowship honorable mention
- Participated in published research
- Graduated cum laude from New Jersey City University
- Supplemental Instructor and Peer Tutor at New Jersey City University

RESEARCH EXPERIENCE

Title: *MAPPING CLIMATE CHANGE THROUGH THE QUANTIFICATION OF ANTARCTIC SEDIMENT CORE SAMPLES*

Institute- Montclair State University, Montclair, N.J. (ongoing)

Supervisor- Dr. Stefanie Brachfeld

Title: *HEAVY METAL ACCUMULATION ALONG THE PALISADES INTERSTATE PARKWAY*

Institute- Montclair State University, Montclair, N.J. (2-year duration)

Supervisor- Dr. Stefanie Brachfeld

Title: *A GREEN TECHNOLOGY FOR NUTRIENT AND METAL REDUCTION IN NEW JERSEY COASTAL WATERS*

Institute- Montclair State University, Montclair, N.J. (1-year duration)

Supervisor- Dr. Dibyendu Sarkar

Title: *CHARACTERIZATION AND RELATIVE SORPTION EFFICIENCY OF ALUMINUM BASED DRINKING WATER TREATMENT RESIDUALS FROM ACROSS THE UNITED STATE*

Institute- Montclair State University, Montclair, N.J. (1-year duration)

Supervisor- Dr. Dibyendu Sarkar

Title: *URBAN ENVIRONMENTAL QUALITY MONITORING PROJECT IN JERSEY CITY, NJ*

Institute- New Jersey City University, Jersey City, N.J. (4 months duration)

Supervisor- Dr. Nurdan S. Aydin-Duzgoren

RESEARCH SKILLS

- Relevant laboratory exposure in and college and post graduate school including chemistry and special set of laboratory skills including (but not limited to):
- **Soil analysis** (Grain size distribution, texture, estimation of heavy metals)
- **Usage of XRD, XRF, ICPMS, and HPLC**