

Yassine Ait Mohamed

Curriculum Vitae | August 2025

✉ y.aitmohamed@yahoo.com
✉ yassine.ait.mohamed@usherbrooke.ca
🆔 <https://orcid.org/0009-0002-2245-4217>

Education

- 2024 – Present **PhD Student**, University of Sherbrooke.
Field: Differential geometry. Under supervision of Pr. Maxence Mayrand.
- 2022 – 2023 **PhD Student**, University of Sidi Mohamed Ben Abdellah.
Field: Rings theory.
- 2020 – 2022 **Master's Degree**, University of Sidi Mohamed Ben Abdellah.
Thesis Title: *Divisors in Algebraic Geometry, Central Simple Algebras, and Severi-Brauer Varieties*. Under supervision of Pr. Karim Mounirh.
- 2016 – 2020 **Bachelor's Degree**, University of Moulay Ismail, Meknes.
Thesis Title: *The Spectrum and the Jacobson Radical in a Commutative Ring*. Under supervision of Dr. Chahrazade Bakkari.
- 2015 – 2016 **High School Diploma in Experimental Sciences**, High School Boumia.
Specialization: Physics and Chemistry.

Talks

- July 2023 **Generalized homogeneous derivations of graded rings**, Seminar of commutative Algebra, Laboratory of Meddling and Mathematical Structures, Faculty of Science and Technology, Fez.
- April 2023 **On Graded Rings with homogeneous derivations**, Seminar of commutative Algebra, Laboratory of Meddling and Mathematical Structures, Faculty of Science and Technology, Fez.
- February 2023 **On Graded Rings and derivations**, Seminar of commutative Algebra, Laboratory of Meddling and Mathematical Structures, Faculty of Science and Technology, Fez.
- January 2023 **On Graded Rings**, Seminar of commutative Algebra, Laboratory of Meddling and Mathematical Structures, Faculty of Science and Technology, Fez.
- December 2021 **Tensor Algebra and Enveloping Algebra of a Lie Algebra**, Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz.
- November 2021 **On Riemann-Roch Theorem**, Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz.
- February 2021 **Action of a Lie Group on a Smooth Manifold**, Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz.

Papers and Thesis

Papers

- Ait Mohamed Y.**, *Differential structures in graded rings and modules*.
- Ait Mohamed Y.**, *Generalized homogeneous derivations in graded ring* [10.48550/arXiv.2412.17187](https://arxiv.org/abs/10.48550/arXiv.2412.17187).

Papers and Thesis (continued)

- Ait Mohamed Y., *On Graded Rings with Homogeneous Derivations*. *Revista de la Unión Matemática Argentina* [10.33044/revuma.4934](https://doi.org/10.33044/revuma.4934).

Thesis

- *Divisors in Algebraic Geometry, Central Simple Algebras and Severi-Brauer Varieties* [10.13140/RG.2.2.25220.64645](https://doi.org/10.13140/RG.2.2.25220.64645).

Professional Activities

Teaching Activities

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| Aug 2025 - Today | ■ Teaching Assistant <i>Elements of Algebra (MAT141)</i> , Faculty of Sciences, University of Sherbrooke. |
| Jan 2025 - April 2025 | ■ Teaching Assistant <i>Applied Linear Algebra in Computer Science (MAT199)</i> , Faculty of Sciences, University of Sherbrooke. |
| | ■ Teaching Assistant <i>Linear algebra (MAT253)</i> , Faculty of Sciences, University of Sherbrooke. |
| Sep 2024 - Dec 2024 | ■ Teaching Assistant <i>Differential and Integral Calculus I (MAT194)</i> , Faculty of Sciences, University of Sherbrooke. |
| | ■ Teaching Assistant <i>Center for Mathematics Help</i> , Faculty of Sciences, University of Sherbrooke. |
| Sep 2022 - June 2024 | ■ Mathematics Tutor <i>Algebra, Real and Complex Analysis, and Topology</i> .
https://www.voscours.fr/professeur/yassine-ait-mohamed.htm |
| Sep 2022 - Nov 2023 | ■ Mathematics Tutor <i>High School Lessons</i> , Mini School Center, Fez, Morocco. |
| Sep 2018 - Mar 2019 | ■ Mathematics Tutor <i>Secondary School Lessons</i> , Olympia Centre Zarhounia, Meknes, Morocco. |
| Sep 2017 - Mar 2018 | ■ Mathematics Tutor <i>Secondary School Lessons</i> , Maxcence Centre, Meknes, Morocco. |

Peer Review Activities:

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| Feb 2025 | ■ Peer Reviewer <i>Asian Research Journal of Mathematics</i> . Recipient of Certificate of Excellence in Reviewing. |
| June 2025 | ■ Peer Reviewer <i>International Journal of Neutrosophic Science</i> . |
| August 2025 | ■ Peer Reviewer <i>Proceedings of the International Geometry Center</i> . |