

Education

- 2019 – 2023 **Ph.D. Mathematics**, *University of Strasbourg*, Strasbourg (France), Title: *Algebraic structures associated to the double shuffle relations between multiple polylogarithm values at roots of unity*. Supervisor: Benjamin Enriquez. Date of defense: March 14th, 2023.
- 2017 – 2018 **M. Sc. Mathematics**, *University of Strasbourg*, Strasbourg (France), Fundamental Mathematics: Algebraic Geometry
- 2015 – 2017 **M. Sc. Mathematics**, *University of Sciences and Technologies Houari Boumediene*, Algiers (Algeria), Dynamical Systems and Geometry
- 2012 – 2015 **B. Sc. Mathematics and Computer Science**, *University of Sciences and Technologies Houari Boumediene*, Algiers (Algeria), Algebra and Cryptography
- 2012 **Baccalaureate**, *Assi Youcef High School*, Tizi Ouzou (Algeria), Mathematics Stream

Preprints/Publications

- [1] K. Yaddaden, Crossed product interpretation of the double shuffle Lie algebra attached to an abelian group, *Publications of the Research Institute for Mathematical Sciences*, 2023. Available since December 2021 at arXiv:2112.14140
- [2] K. Yaddaden, The cyclotomic double shuffle torsor in terms of Betti and de Rham coproducts, 2023. arXiv preprint arXiv:2304.04061

Presentations

- June 02nd, 2023 **Mid-term workshop of the ANR HighAGT**, *Double shuffle torsor of cyclotomic multizeta values and stabilizer de Rham and Betti coproducts*, Institut de Recherche Mathématique Avancée, Strasbourg (France)
- August 30th, 2022 **“Algebra, Topology and the Grothedieck-Teichmüller group” Conference**, *Stabilizer Lie algebra of the harmonic coproduct*, SwissMAP Research Station, Les Diablerets (Switzerland)
- August 22nd, 2022 **Web Seminar**, *Double shuffle Lie algebra and crossed product*, Mathematics Department of the University of Nagoya, Nagoya (Japan)
- May 11th, 2022 **Quantum Seminar**, *Double shuffle Lie algebra and crossed product*, Institut de Recherche Mathématique Avancée, Strasbourg (France)
- March 16th, 2022 **GDR Colloquium**, *Lie Theory in Algebra and Geometry*, Institut Mathématique de Bourgogne, Dijon (France). Title: Double shuffle Lie algebra and crossed product

Teaching Experience

- October 2022 – August 2023 **Temporary Teaching and Research Attaché (ATER)**, *UFR Mathématiques et Informatique*, University of Strasbourg
- March – April 2022 **Bachelor thesis supervision**, *UFR Mathématiques et Informatique*, University of Strasbourg, Title: "Affine algebraic sets"
- March – April 2021 **Bachelor thesis supervision**, *UFR Mathématiques et Informatique*, University of Strasbourg, Title: "Finite fields"
- October 2019 – June 2022 **Teaching assistant**, *UFR Mathématiques et Informatique*, University of Strasbourg
- October 2018 – September 2019 **Teaching assistant**, *Marc Bloch High School*, Bischheim

Skills

- Computer Skills \LaTeX , C, Python.
- Languages Kabyle (Mother tongue), French, English, Arabic.