

Assia Keniche

Date of Birth: 06/06/87

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1. Professional Background and Initial Education

Professional Background

- **06/09/2023 at 06/06/2024 :** Director of the Laboratory of Organic Chemistry, Natural Substances, and Analysis (COSNA) at the University of Tlemcen, Algeria.
- **Since 2015:** Employed as a Lecturer-Researcher at the University of Tlemcen, Algeria.
- **Since 2014:** Permanent Researcher in the organic synthesis team at the COSNA Laboratory, University of Tlemcen, Algeria.
- **2010:** Student Tutor at the University of Tlemcen, Algeria.

Titles and Degrees

- **May 11, 2021:** Qualification to Supervise Research (HDR), University of Tlemcen.
- **2010-2014:** Ph.D. in Bioorganic and Therapeutic Chemistry, University of Tlemcen, Algeria (Supervised by Dr. Joseph Kajima Mulengi).
- **2009:** Top of the Class in Master's Program.
- **2007-2009:** Master's in Bioorganic and Therapeutic Chemistry, University of Tlemcen, Algeria (Supervised by Dr. Joseph Kajima Mulengi).
- **2004-2007:** Bachelor's Degree in Natural and Life Sciences.

Teaching Activities: Modules Taught

- *Courses:* Structural Identification (Doctoral Program in Natural Products Chemistry), Biopharmacy, Structural Identification of Organic Compounds, Chemistry of Sugars and Derivatives, Careers in Science and Technology.
- *Practical Classes:* Analytical Chemistry, General Chemistry, NMR, Organic Chemistry, Analytical Chemistry Techniques II, Water Treatment Chemistry, Combinatorial and Medicinal Chemistry, Chemistry of Sugars and Derivatives.

2. Research Internships Abroad

- **03-17 December 2023:** High-level scientific stay as Visiting Researcher in Professor David Aitken's group at Paris-Saclay University, France.
- **02 July - 31 August 2023:** High-level scientific stay as Visiting Researcher in Professor David Aitken's group at Paris-Saclay University, France.
- **July 2019:** Visiting Researcher in Professor Gabriele Bartolo's group at the University of Calabria, Italy.
- **December 2017 - February 2018:** Visiting Researcher in Professor David Aitken's group at ICMMO Orsay, Paris-Sud University, France.

- **December 2011 - July 2013:** Doctoral internship in Professor Jesus Maria Azipura's group at the Joxe Maria Korta Research Center, San Sebastian, Spain.
- **September - October 2011:** Doctoral internship in Professor Florence Djedaini-Pillard's group at the University of Jules Verne, Amiens, France.

3. Main Scientific and Administrative Activities

- **01/09/2020 - 15/06/2023:** Head of the Pharmaceutical Chemistry Master's Program at the University of Tlemcen.
- Organized 25 online conferences with national and international speakers.
- 25 oral presentations, 10 poster presentations.
- Participation in thesis and master's juries (2015-2023): 4 times as Jury President (Master), 10 times as Examiner (Master), and 1 time as Examiner (Doctoral thesis).
- Member of the national examination board for the doctoral entrance exam in chemistry (2017-2023), University of Tlemcen.
- **2017-2020:** Quality Assurance Officer in Teaching at the University Center of Maghnia, Tlemcen.
- **2017-2021:** Founder of the Knowledge Seekers Scientific Club, grouping scientific activities at the University Center of Maghnia, Tlemcen.
- **2017-2021:** Member of the Scientific Council at the University Center of Maghnia.
- **2016, 2019, 2023:** Member of the National Committee for the establishment and harmonization of the Pharmaceutical Chemistry Master and Doctoral programs, University of Tlemcen.
- **2015-2023:** Member of the scientific and organizing committees of scientific congresses (4 times).

4. Research Topics and Partnerships

Research Themes

- Keywords: Total synthesis of natural products, chemical modification of cyclodextrins and oligosaccharides, peptidomimetics, characterization of natural products, and hemisynthesis.
- Supervision of theses: 2 ongoing theses.
- Supervision of Master's theses: 14 defended Master's theses (specialties: Pharmaceutical Chemistry and Organic Chemistry), 2 of which were classified as innovative.
- Co-supervision of Pharmacy dissertations: 2 defended dissertations.

Scientific Production

- 14 publications and 1 book.

Main Partnerships with Companies and Research Centers

- **2023:** Coordinator of the university's agreement with the pharmaceutical company Sophal, Oran, Algeria.
- **2023:** Coordinator of the university's agreement with the CRAPC (Center for Research in Physico-Chemical Analysis), Algiers.

- **2021:** Coordinator of the university's agreement with the CRSP (Center for Research in Pharmaceutical Sciences) in Constantine, Algeria (5-year renewable research contract).

Responsibilities in Recent Research Programs

- **2023:** 2 Tassili-PHC projects .
- **2023:** 2 innovative projects with the i2E center.
- **2022:** Member of the PRFU Project.
- **2014:** Member of the PNR Project.

Selected Recent Publications

1. **Assia Keniche**, Asma Khelassi-sefaoui, Fatoumata Samake, Comparative Analysis of Polyphenolic and Flavonoid Content, Antimicrobial and Antioxidant Activities of Moringa Olifeira Varieties from Mali and Algeria, *Tobacco Regulatory Science* 09(02):2849 – 2863.
2. Lyna Benhamidat, Mohammed El Amine Dib, Okkacha Bensaid, Amina Tabet Zatla, **Assia Keniche**, Ibtisem El Ouar. *Journal of Oil Essential Bearing Plants*, 25(1):126-146.
3. **Assia Keniche**, Ibtisem El Ouar, I. Zeghina, Mohammed El Amine Dib. "Synthesis and Biological Analysis of Anti-Addiction Effect and Hepatotoxicity of Two Baclofen Analogues Complexed with β -Cyclodextrin." *Combinatorial Chemistry & High Throughput Screening*, 2020. 23(1), 187 - 196.
4. **Assia keniche**, Synthesis and simulation of new cyclodextrin derivatives breaker for A β 42, *MEDCAV*, 2020, 9(3):117-120.
5. Kajima Joseph, **Assia keniche**, mezrai abdelmoumen, florence djedaini pillard, Unexpected Formation of Azetidines Through Staudinger Reaction of 3-Azido-1,2-diols, 1(1):38-44.