

Curriculum Vitae

Dr. Abdelhakim BOUYAHYA

- ✓ Professor and Academic Research at Mohammed V University in Rabat
- ✓ Authors and co-author of over 280 international publications
- ✓ First author of over 50 international publications
- ✓ Last and corresponding author of over 160 international publications
- ✓ Editor and Scientific Expert for International peer-reviewed journals
- ✓ Active member of the Moroccan Association for Cancer Research
- ✓ PI & Member of several research projects



Personal Data

Nationality Moroccan
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Professional Experiences

2023- **Adjunct Professor** at School of Medical and Life Sciences, Sunway University, Malaysia
2022 - **Professor with Habilitation**, Mohammed V University in Rabat, Morocco
2018 – 2022 **Assistant Professor**, Faculty of Sciences, Mohammed V University, Morocco

Educational Experiences and Specialty

Since 2023 : Course and Seminary "[Pharmacology of Anticancer Epi-Drugs](#)" Pharmacy students at the School of Health, Sunway University, Malaysia
Since 2023 : Course of Master's Students "[Pharmacology of Anticancer drugs](#)" ; Master of Advanced Practices in Oncology and Palliative Care, ISPITS, Minister of Health Casablanca.
Since 2023 : Course of Master's Students: [Clinical Biochemistry and Associated Pathologies](#) ; **Master of "Biology of Human Pathologies, Cancer Sciences**, Faculty of Sciences, Mohammed V University.
Since 2023 : Course of Master's Students: [Signal Transduction and Molecular Signaling Pathways](#); **Master in Applied Biomedical Sciences**, International University of Rabat.
Since 2021 - Course of Master's Students: [Contribution of natural products in the management of pathologies](#); **Master of "Biology of Human Pathologies, Cancer Sciences"**, Faculty of Sciences, Mohammed V University.
Since 2021 - Course of Master's Students: [Molecular Mechanisms of Natural Products Used in Chemotherapy](#);

Master of **"Biology of Human Pathologies, Cancer Sciences"**, Faculty of Sciences, Mohammed V University.

Since 2021 - Course of Master's Students: [Transcriptional control and Tumorigenesis](#); Master of **"Biology of Human Pathologies, Cancer Sciences"**, Faculty of Sciences, Mohammed V University.

Since 2021 - Course of Master's Students: [Transcriptional Factors and Cell transformation](#); Master of **"Biology of Human Pathologies, Cancer Sciences"**, Faculty of Sciences, Mohammed V University.

Since 2021 - Course of Master's Students: [Nuclear Receptors and Tumorigenesis](#); **Master of "Biology of Human Pathologies, Cancer Sciences"**, Faculty of Sciences, Mohammed V University.

Since 2021 - Course of Master's Students: [Targeted therapy, cell Therapy and Immunotherapy of Cancer disease](#); **Master of "Biology of Human Pathologies, Cancer Sciences"**, Faculty of Sciences, Mohammed V University.

Since 2019: Course of Master's Students: [Metabolomic Approaches for Cancer Biomarkers](#); **Master of "Biology of Human Pathologies, Cancer Sciences"**, Faculty of Sciences, Mohammed V University.

Since 2018: Course of Master's Students: [Infections and Cancer: Molecular Mechanisms](#); **Master of "Biology of Human Pathologies, Cancer Sciences"**, Faculty of Sciences, Mohammed V University.

Since 2017 - Course of Master's Students: [Pharmacology of synthetic compounds](#); **Master of "Pharmaco-chemistry"**, Faculty of Sciences, Mohammed V University.

Since 2020 - Course of Master's Students: [Structural Biochemistry](#); **Master of "Sciences of Drugs from Natural Resources"**, Faculty of Sciences, Mohammed V University.

Since 2019 - Course of Undergraduate Students: [Adaptative Immunology](#), Faculty of Sciences, Mohammed V University.

Since 2019 - Course of Undergraduate Students: [Immunotherapy](#); Faculty of Sciences, Mohammed V University.

Since 2019 - Course of Undergraduate Students: [Structural Biochemistry](#), Faculty of Sciences, Mohammed V University.

Since 2019 - Course of Undergraduate Students: [Enzymology and Metabolism](#), Faculty of Sciences, Mohammed V University.

Participation in Research Projects

International projects:

Project 1

Title : Producing Alternative Sustainable food bio-based PACKaging from Mediterranean agri-food by-products and waste,
PI: Prof. Abdelhakim Bouyahya
Organisation : Mohammed Université in Rabat,
Funding Organization: PRIMA
Funding : 1 000 000 DH
Period : 2024-2027

Project 2

Title : Valorization of olive stone by-product as a green source of new value-added products in the context of the circular bioeconomy and sustainability.
PI: Prof. Abdelhakim Bouyahya

Organisation : Mohammed Université in Rabat,
Funding Organization: PRIMA
Funding : 1 000 000 DH
Period : 2023-2026

National projects:

Project 1

Title : Moroccan medicinal and aromatic plants: anticancer and antibacterial activities, and prospects for targeted anticancer therapy, **Active Member.**
PI : Prof. Bakri Youssef
Organisation: Mohammed Université in Rabat,
Funding Organization: Agence National des Plantes Médicinales et Aromatiques – CNRST,
Funding: 660000 MAD
Period: 2019-2022

Project 2

Title : Elaboration d'un produit biopesticide à base d'huiles essentielles des PAM pour la protection et l'amélioration de la productivité du câprier. **Active Member.**
PI : Prof IBNLFASSI Amina
Organisation : FST-Settat, UHP
Funding Organization: Agence National des Plantes Médicinales et Aromatiques – CNRST,
Funding : 500 000 DH
Period : 2023-2026

Project 3

Title : Culture et domestication des plantes aromatiques et médicinales du Nord du Maroc par une approche innovante utilisant des biostimulants à base de microalgues marines, **Active Member.**
PI : Prof. Jamal Abrini
Organisation : Faculté des Sciences de Tétouan, Université Abdelmalek Essadi
Funding Organization: Agence National des Plantes Médicinales et Aromatiques – CNRST,
Funding : 500 000 DH
Period : 2023-2026

Project 4

Title : From translational research to Research & Development: Contribution of BRCA1 methylation and oxidative stress in the management of gyneco-mammary cancers, **Active Member.**
PI : Prof. Rabii Ameziane El Hassani
Organisation : Mohammed Université in Rabat,
Funding Organization: CNRST/DESR/FOCP
Funding : 2,6 000 000 MAD
Period : 2022-2025

Project 5

Title : Role of oxidative stress in COVID19 disease, **Active Member.**
PI : Prof. Rabii Ameziane El Hassani
Organisation : Mohammed Université in Rabat,
Funding Organization: Académie Hassan 2
Funding : 500 000 MAD
Period : 2020-2023

Expertise & Editorial Activities

Editor & Guest Editor

- Academic editor in Oxidative Medicine and Cellular Longevity
- Academic editor Evidence Based Complementary and Alternative Medicine
- Academic editor Biomed Research International
- Academic editor in Frontiers in Pharmacology
- Guest Editor in International Journal of Molecular Sciences

Research Interests, Score, and Publications

Research Interests

- ✓ Phytochemistry of Medicinal Plants
- ✓ Ethnopharmacology and traditional medicine
- ✓ Biological and Pharmacological properties of natural products
- ✓ Immunology, Cell Biology, and Molecular Pathologies
- ✓ Natural anticancer drugs and their mechanisms
- ✓ Natural antimicrobial drugs and their mechanisms
- ✓ Natural antidiabetic drugs and their mechanisms
- ✓ Epi-drugs against cancer and their mechanisms of action

Score :

- H-index ; SCOPUS: 35 ([Bouyahya, Abdelhakim - Author details - Scopus](#))
- H-index ; Scholar: 41 ([Abdelhakim BOUYAHYA - Google Scholar](#))
- Number of publications ; SCOPUS : 289 ([Bouyahya, Abdelhakim - Author details - Scopus](#))
- First author; SCOPUS: 51
- Last author (SCOPUS) : 63

Selected Papers Published in Journals with Impact Factor > 6 in 2023/2024

- ABOULAGHRAS, S., PIANCATELLI, D., TAGHZOUTI, K., BALAHBIB, A., ALSHAHRANI, M. M., AL AWADH, A. A., **BOUYAHYA, A.**, OUMHANI, K. (2023). Meta-Analysis and Systematic Review of HLA DQ2/DQ8 in Adults with Celiac Disease. *International Journal of Molecular Sciences*, 24(2), 1188 (IF=7). *Bouyahya Abdelhakim is the corresponding author of this publication.*
- BAKRIM, S., ABOULAGHRAS, S., AANNIZ, T., BENALI, T., EL OMARI, N., EL-SHAZLY, M., **BOUYAHYA, A.** (2023). Effects of Mediterranean diets and nutrigenomics on cardiovascular health. *Critical reviews in food science and nutrition*, 1-20 (IF=7).
- BELMEHDI, O., TAHA, D., ABRINI, J., MING, L. C., KHALID, A., ABDALLA, A. N., **BOUYAHYA, A.** (2023). Anticancer properties and mechanism insights of α -hederin. *Biomedicine & Pharmacotherapy*, 165, 115205 (IF>7). *Bouyahya Abdelhakim is the corresponding author of this publication.*
- BOUYAHYA, A.**, BAKRIM, S., CHAMKHI, I., TAHA, D., EL OMARI, N., EL MNEYIY, N., AANNIZ, T. (2024). Bioactive substances of cyanobacteria and microalgae: Sources, metabolism, and anticancer

mechanism insights. *Biomedicine & Pharmacotherapy*, 170, 115989 (IF>7). [Bouyahya Abdelhakim is the corresponding author of this publication.](#)

BOUYAHYA, A., TAHA, D., BENALI, T., ZENGİN, G., EL OMARI, N., EL HACHLAFI, N., **BOUYAHYA, A.**, SAHIB, N. (2023). Natural sources, biological effects, and pharmacological properties of cynaroside. *Biomedicine & Pharmacotherapy*, 161, 114337 (IF>7). [Bouyahya Abdelhakim is the corresponding author of this publication.](#)

CHARFI, S., BOUJIDA, N., **BOUYAHYA, A.**, EL-SHAZLY, M., KHAMLI, A., ABRINI, J., SENHAJI, N. S. (2023). Mathematical modeling of Escherichia coli O157: H7 growth in carrot juice influenced by Thymra capitata essential oil, heat treatment, and storage temperature. *International Journal of Food Microbiology*, 386, 110044 (IF>6).

EL MENYIY, N., ABOULAGHRAS, S., BAKRIM, S., MOUBACHIR, R., TAHA, D., KHALID, A., **BOUYAHYA, A.** (2023). Genkwanin: An emerging natural compound with multifaceted pharmacological effects. *Biomedicine & Pharmacotherapy*, 165, 115159 (IF>7). [Bouyahya Abdelhakim is the corresponding author of this publication.](#)

EL OMARI, N., BAKRIM, S., KHALID, A., ABDALLA, A. N., ALMALKI, W. H., LEE, L. H., **BOUYAHYA, A.** (2023). Molecular mechanisms underlying the clinical efficacy of panobinostat involve Stochasticity of epigenetic signaling, sensitization to anticancer drugs, and induction of cellular cell death related to cellular stresses. *Biomedicine & Pharmacotherapy*, 164, 114886 (IF>7). [Bouyahya Abdelhakim is the corresponding author of this publication.](#)

EL OMARI, N., BAKRIM, S., KHALID, A., ALBRATTY, M., ABDALLA, A. N., LEE, L. H., **BOUYAHYA, A.** (2023). Anticancer clinical efficiency and stochastic mechanisms of belinostat. *Biomedicine & Pharmacotherapy*, 165, 115212 (IF>7). [Bouyahya Abdelhakim is the corresponding author of this publication.](#)

EL OMARI, N., LEE, L. H., BAKRIM, S., MAKEEN, H. A., ALHAZMI, H. A., MOHAN, S., **BOUYAHYA, A.** (2023). Molecular mechanistic pathways underlying the anticancer therapeutic efficiency of romidepsin. *Biomedicine & Pharmacotherapy*, 164, 114774 (IF>7). [Bouyahya Abdelhakim is the corresponding author of this publication.](#)

HASSOUN, A., BOUKID, F., OZOGUL, F., AÏT-KADDOUR, A., SORIANO, J. M., LORENZO, J. M., **BOUYAHYA, A.**, CÂMARA, J. S. (2023). Creating new opportunities for sustainable food packaging through dimensions of industry 4.0: New insights into the food waste perspective. *Trends in Food Science & Technology*, 104238 (IF>16).

SABER, F. R., MUNEKATA, P. E., RIZWAN, K., EL-NASHAR, H. A., FAHMY, N. M., ALY, S. H., **BOUYAHYA, A.**, LORENZO, J. M. (2023). Family Myrtaceae: The treasure hidden in the complex/diverse composition. *Critical Reviews in Food Science and Nutrition*, 1-19. (IF=11)