



CURRICULUM VITAE

1-Personal Data

Family Name: MEKHELFI

First Name: TARAK

Marital status: married

Date and place of birth: 03/10/1983 at djemila sétif Algeria Nationality: Algeria

Position: teacher of chemistry at KASDI Merbah University. Ouargla.

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2- Education Background

2004: Baccalaureate of natural science and life.

2007: Pharmaceutical Chemistry license.

2007: Certificate of 3rd level in French.

2010: Master in Pharmaceutical Chemistry.

2016: Ph.D in Pharmaceutical Chemistry.

2018: university habilitation

Specialty: Pharmaceutical Chemistry (Separation and determination of secondary metabolites and biological activity of the Algerian plants).

3- Educational and administrative activity

3-1 Educational activity

2011 - 2012 university of the Mentouri Constantine brothers

Temporary teacher.

Chemistry practical work: 1st year LMD

2012 - 2013 university of the Mentouri Constantine brothers

Temporary teacher.

Chemistry practical work: 1st year LMD.

2013 - 2014 university of the Mentouri Constantine brothers

Temporary teacher.

Chemistry practical work: 1st year LMD.

2014 - 2015 university of the Mentouri Constantine brothers

Temporary teacher.

Chemistry practical work: Chemistry: 1st year LMD

2015 - 2016 university of the Mentouri Constantine brothers

Temporary teacher.

Chemistry practical work: Chemistry: 1st year LMD

2016 - 2017 KASDI Merbah University. Ouargla.

Permanent teacher

thermodynamics and chemical kinetics : Chemistry: 1st year LMD

Real analysis problem II: Chemistry: 3 rd year LMD

2017 - 2018 KASDI Merbah University. Ouargla.

Permanent teacher

phytochemistry: Chemistry: 2 nd year master LMD

pharmaco-chemistry and therapeutic target: 2 nd year master LMD

spectroscopic analysis method: 1 st year master LMD

3-2 administrative activity

2017 - 2018: chemical team leader specialty: license analytical chemistry

2018-2019: Deputy Chief of Department of Chemistry, university of ouargla

4- Scientific Research Activities

4-A Major Research Interest

Extraction, isolation, analysis, biological screening, and structure elucidation of secondary metabolites from toxic, medicinal and aromatic plants growing in Algeria, using chromatographic methods (VLC, CC, TLC, HPLC) as well as different spectroscopic techniques particularly NMR high-field 1D and 2D ($^1\text{H-NMR}$, $^{13}\text{C-NMR}$, COSY, TOCSY, HSQC, HMBC, NOESY, ROESY) and mass spectrometry (HR-ESI-MS and HR-EI-MS). The isolated compounds belong to different classes of secondary metabolites: polyphenols, diterpenoids, triterpenoids, steroids, alkaloids, iridoids, saponins...

4-B the educated modules in university

1-Chemistry practical work: Chemistry: 1st year LMD

2- Thermodynamics and chemical kinetics

3- Real analysis problem II.

4- phytochemistry,

5- pharmaco-chemistry and therapeutic target,

6-spectroscopic analysis method

4-C International Publications

1-Tarak mekhelfi, khawla kerbab, graziano guella, lahcene zaiter, samir benayache, and fadila benayache. Phytochemical constituents of thymelaea microphylla coss. ET dur. From algerie. Der paharmacia letter, 2014, 6(1):152-156.

<https://www.scholarsresearchlibrary.com/articles/phytochemical-constituents-of-thymelaea-microphylla-coss-et-dur-from-algeria.pdf>

2- Tarak Mekhelfi , Khawla Adouni , Lahcene Zaiter , Graziano Guella , Samir Benayache , Fadila Benayache and Petras Rimantas Venskutonis . Antioxidant activity of extracts, cis and

trans tilirosides, and other compounds from *Thymelaea microphylla* Coss. et Dur. *Der pharmacia* letter, 2016, 8 (3):233-239.

<https://www.scholarsresearchlibrary.com/articles/antioxidant-activity-of-extracts-cis-and-trans-tilirosides-and-other-compoundsfrom-thymelaea-microphylla-coss-et-dur.pdf>

3- Tarak Mekhelfi, Manel Zaoui-Djelloul Daouadji, Safa Benhamed, Lahcene Zaiter, Fatma Tabai. Total Flavonoids and Total Phenolic Content, Antioxidant, Antibacterial and Corrosion Activities of Plant Extracts of *Santolina africana* Jord. Et Fourr . *Der Pharmacia Lettre*, 2018, 10 [5]: 27-

<https://www.scholarsresearchlibrary.com/articles/total-flavonoids-and-total-phenolic-content-antioxidant--antibacterial-and-corrosion-activities-of-of-plant-extracts-of-.pdf>

4- Kerbab, Khawla; Mekhelfi, Tarak; Zaiter, Lahcene; Benayache, Samir; Benayache, Fadila; Picerno, Patrizia; Mencherini, Teresa; Sansone, Francesca; Aquino, Rita P.; Rastrelli, Luca .Chemical composition and antioxidant activity of a polar extract of *Thymelaea microphylla* Coss. ET Dur Natural Product Research 2014 CODEN: NPRAAT ISSN: 1478-6419.

<https://www.tandfonline.com/doi/abs/10.1080/14786419.2014.979422> (classe A)

5- Samira Laib, Tarak Mekhelfi, Korichi Lalaoui, Ahmed Menad, Lahcene Zaiter, Fadila Benayache, Samir Benayache and Souad Ameddah. *THYMELAEA MICROPHYLLA* AMELIORATES OXIDATIVE STRESS AND METALLOTHIONEIN LEVEL INDUCED BY CADMIUM IN RAT KIDNEY. *World Journal of Pharmaceutical Research* volume 7, Issue 4, 142-167.

<http://www.wjpr.net/download/article/1518696090.pdf>

6- 41Khaoula Adouni, Tarak Mekhelfi, Manel Zaoui-Djelloul Daouadji, Lotfi Achour. Decoction, Infusion and Ethanolic Extract of *Juncus acutus* Rhizome: Phytochemical Content and Antioxidant Properties. *Der Pharmacia Lettre*, 2018, 10 [3]: 54-61.

<https://www.scholarsresearchlibrary.com/articles/decoction-infusion-and-ethanolic-extract-of-juncus-acutus-rhizome-phytochemical-content-and-antioxidant-properties.pdf>

4-D internships

A-An internship of period of 3 months (May 9 to July 28, 2013) under the direction of Professor Graziano quella in the laboratory of Bio-organic Chemistry University of Trento Italy.

B- Another internship of 2-months in the period of 14 January to 6 Mars 2015 under the direction of the same professor in the laboratory of Bio-organic Chemistry University of Trento Italy.

C-An internship of period of 1 month (December 3 to January 02, 2016) under the direction of Professor Petras Rimantas Venskutonis Department of Food Science and Technology, Kaunas University of Technology, Lithuania.

4-E Conferences

1-Mekhelfi tarak, kerbaba khawla, djemam nihed, lahcene zaiter, benayache samir, benayache fadila, Secondary metabolites of chloroform extract of linaria aegyptiaca (scrophulariaceae) 1 st Congress of biotechnology and development of bio-resources 5-6-7 March 2013 at the Hotel itropica **** Tamara Tunisia..

2-Mekhelfi tarak, kerbaba khawla, djemam nihed, lahcene zaiter, benayache samir, benayache fadila valuation of natural bioactive products therapeutic use, 4th scientific conference on the development of bio-resources the 04-05 May 2013 at the Tower Hotel **** Khalef Sousse Tunisia.

3-Mekhelfi tarak, kerbaba khawla, djemam nihed, lahcene zaiter, benayache samir, benayache fadila, phytochemical study of a species of the family and Thymelaeaceae photo-isomerization of a flavonoid, 2nd Congress of Biotechnology and valuation of bioresources 18-20 March 2014 at the Hotel itropica **** Tabarka Tunisia.

4-Mekhelfi tarak, , djemam nihed, lahcene zaiter, benayache samir, benayache fadila phytochemical constituents of a kind of endemic plant Thymelaea of Algeria, 4th international scientific conference on the development of bio-resources the 02-04 May 2014 at the Tower Regency Hotel **** framissima cap marina Mounastir Tunisia.

5- Mekhelfi tarak , djemam nihed, benayache samir, benayache fadila research and structural determination of Secondary metabolisms Thymelaea microphylla thymeleaecaea, 9th International conger product quality and environmental valorization treatment Release and effects on human health, hotel LTI 11-13 April 2014 mahdia beach**** mahdia Tunisia.

6-Mekhelfi tarak , djemam nihed, benayache samir, benayache fadila . phytochemical investigation of linaria and isolation of a new product from this genus, 6th international scientific conference on the valorization of bio-resources the 01-03 May 2015 at the * Regency Hotel **** framissima cap marina Mounastir Tunisia.

7-Mekhelfi tarak , lahcene zaiter, benayache samir, benayache fadila . Separation of flavonoids from the genus linaria (scrophulariaceae), 7th international scientific conference on the valorization of bio-resources the 29-30 April 2016 at the orient palace Hotel ****, Sousse, Tunisia.

8-Mekhelfi tarak , lahcene zaiter, benayache samir, benayache fadila . investigation phytochimique de linaria aegypticaea, 8th international scientific conference on the valorization of bio-resources the 5,6 et 7 may 2017 at sentido rosa beach Hotel ****, mounastir, Tunisia

9-Mekhelfi tarak, benhamed safa ,lahcene zaiter, fatma tabai.investigation phytochimique et activité biologique d'une plante medicinal de la famille asteraceae, 9 th international scientific conference on the valorization of bio-resources the 3,4,5 et 6 may 2019 at sentido rosa beach Hotel ****, mounastir, Tunisia