

## ETAT CIVIL

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## DIPLOMES SCOLAIRES ET UNIVERSITAIRES

- \* **Baccalauréat** Math-sciences (Juin 1985).  
Mention: Passable.
- \* **Diplôme** d'ingénieur filière longue Génie Chimique Ecole Nationale des Ingénieurs de Gabès (juin 1992). Mention: Assez bien.
- \* Année de formation à l'Ecole Supérieure d'Application des corps Gras de Bordeaux ESACG (1994-1995).
- \* **AEA** Génie Chimique Ecole Nationale des Ingénieurs de Gabès (Juin 2000). Mention: Assez bien.
- \* **Diplôme** expert dégustateur en huile d'olive Jaén (Espagne) Juin 2001.  
Mention: Bien.

## MEMOIRES DE FIN D'ETUDE

\* Mémoire de fin d'étude : "modélisation de l'absorption avec réactions chimiques lentes et rapides : application aux réactions d'ozonation". Encadreurs : Jalel GHAEIB et Mahmoud BOUABDELLAH. ENIG 1992.

\* Mémoire de fin d'étude : ' Etude de la décomposition des pâtes de neutralisation sous pression' Encadreur Xavier PAGES ESACG Bordeaux 1995 .

## POSTES OCCUPES

- **Ingénieur de production** à SOTIM (1993 -1994).
- **Ingénieur de production** à SICERAM (1995-1997).
- **Attaché de recherche** à l'Institut de l'Olivier à partir de juin 1997.
- **Chargé de recherche** à l'Institut de l'Olivier à partir de mars 2002.

*Participation dans des* 3 projets CFC/IOOC, AECID et EU (Mac-oils)  
*projets scientifiques*

*Expert en FAO* : Olive Oil Production and Quality Assurance Expert station Aljouf, Saudi Arabia (UTFN/SAU/007), for a total duration of 32 days, starting 15 January 2007.,

## LISTE DES PUBLICATIONS

- 1: N. GRATI-KAMMOUN Mr Ayadi, M. KHLIF, H. REKIK, B.REKIK M.T. and Hamdi, 1999. " Evolution of the chemical characteristics of the oil during the process of maturation of the olives." Ezzaitouna volume 5 (1 and 2). P 30-46.
- 2: M. Ayadi, N. GRATI-KAMMOUN Mr. KHLIF, H. REKIK, B.REKIK MT and Hamdi, 1999." Preliminary study on the characteristics of olive oil some Tunisian varieties." Ezzaitouna volume 5 (1 and 2). P 1-10.

- 3: **M. Ayadi**, N. GRATI-KAMMOUN Mr. KHLIF, H. REKIK, Mr. N. Arous, B. REKIK and T. Hamdi, 1998. " Analysis of the chemical composition of the oil of olive varieties Gafsa." Acts of the Vth National Day on Recent Achievements in Agricultural Research and Veterinary. P189-193, Nabeul (Tunisia). 3-4 December 1998.
- 4: N. GRATI-KAMMOUN **M Ayadi**, M. KHLIF, A. TRIGUI, H. REKIK, Mr. N. Arous, B. REKIK and M.T. HAMDI 1999. " Selection clonal variety olive Chemlali Sfax: preliminary results." Proceedings of VIth National Symposium on Recent Achievements in Agricultural Research and Veterinary. p259-264, Nabeul (Tunisia). 3-4 December 1999.
- 5: **M. Ayadi**, N. GRATI KAMMOUN Mr. KHLIF, H. REKIK, Mr N. Arous, B. REKIK M.T. and Hamdi, 1999. " The phenolic compounds and stability of olive oil". Proceedings of VIth National Symposium on Recent Achievements in Agricultural Research and Veterinary. P268-271. Nabeul (Tunisia). 3-4 December 1999.
- 6: **M. Ayadi**, N. GRATI-KAMMOUN Mr. KHLIF, H. REKIK, B.REKIK MT and Hamdi, 1999." Preliminary study on the characteristics of olive oil some Tunisian varieties." Ezzaitouna volume 5 (1 and 2), pp. 1-10.
- 7: N. GRATI-KAMMOUN **M Ayadi**, M. KHLIF, H. REKIK, B.REKIK M.T. and Hamdi, 1999. " Evolution of the chemical characteristics of the oil during the process of maturation of the olives." Ezzaitouna Volume 5 (1 & 2), pp. 30-46.
- 8: KHLIF M., **M. Ayadi**, N. GRATI-KAMMOUN, H. REKIK, B.REKIK M.T. and Hamdi (2000). " Effect of extraction system on the quality of olive oil during storage." Ezzaitouna volume 6 (1 and 2), pp. 21-32.
- 9: KHLIF M., **M. Ayadi**, N. GRATI-KAMMOUN, Mr. N. Arous, H. REKIK Mr. T. Hamdi and B. REKIK. (2002) Identifying Chemlali olive variety in traditional icts area. Acta Horticulturae No. 586 117-121
- 10: N. GRATI-KAMMOUN Mr. KHLIF **M Ayadi** and B. KARRAY (2002): Clonal selection cv Chemlali Sfax: preliminary results. Acta Horticulturae No. 586 p 147-149.
- 11: N. GRATI-KAMMOUN **M Ayadi**, M. KHLIF, A. TRIGUI, B. KARRAY, Mr. N. Arous, H. REKIK Mr. T. Hamdi and B. REKIK (2002): Characterisation

of chemical Pomological and Tunisian olive tree (*Olea europea*-L). *Acta Horticulturae* No. 586 P137-140.

12: A. LAZZEZ, B. KARRAY **M Ayadi**, M. and M. KHLIF COSSENTINI. (2002): Relationship of dependency between fatty acids and triglycerides during ripening variety olives Chemlali. *Journal of the Chemical Society of Tunisia* Vol.4 No. 12. From 1585 to 1590.

13 GHARSSELLAOUI **M Ayadi**, F. BEN AMAR, W. KHABOU AND S. Gabsi (2007): Valuation of non-conventional water resources in (waste waters) to Tunisian south by the growing of the olive tree (*Olea europea* L.), *Meda Water: Sustainable Water Management*, pp233-238.

14-Mohamed Bouaziz, Ines Fki, Hedyia Jemai, **Mohamed Ayadi**, Sami Sayadi (2008): Effect of storage on refined and husk olive oils composition: Stabilization by addition of natural antioxidants from Chemlali olive leaves *Food Chemistry* Volume 108, Pages 253–262

15-Nahla Damak , Mohamed Bouaziz , Mohamed Ayadi, Sami Sayadi and Mohamed Damak (2008) : Effect of the Maturation Process on the Phenolic Fractions, Fatty Acids, and Antioxidant Activity of the Chétoui Olive Fruit Cultivar *J. Agric. Food Chem.*, 2008, 56 (5), pp 1560–1566

16-Samet, Youssef; **Ayadi, Mohamed**; Abdelhedi, Ridha (2009) :Degradation of 4-Chloroguaiacol by Dark Fenton and Solar Photo-Fenton Advanced Oxidation Processes *Water Environment Research*, Volume 81, Number 12, December , pp. 2389-2397(9)

17-A.Larbi, **M. Ayadi**, A. Ben Dhiab, K. Gargouri et M. Msallem (2009): effect of foliar boron application on growth reproductive and oil quality of olive trees (CV.arbequina) conducted under a high density planting system. *Journal of plant nutrition* Manuscript ID LPLA-2009-0341

18-GHRAB M., ZRIBI F., **AYADI M.**, ELLOUMI O., MNAFKI N., BEN MIMOUN M.(2010) :”Lipid characterization of local pistachio germoplasm in central and southern Tunisia” *Journal of food Composition and Analysis* 23(2010)605-612

19- Faten Mraicha, Mohieddine Ksantini, Olfa Zouch, **Mohamed Ayadi**, Sami ayadic, Mohamed Bouaziz (2010) : Effect of olive fruit fly infestation on the quality of olive oil from Chemlali cultivar during ripening *Food and Chemical Toxicology* volume 48, issue 11, page 3235-3241

20-Mohamed Bouaziz, Ines Feki, **Mohamed Ayadi**, Hedyia Jemai, Sami Sayadi (2010) :Stability of refined olive oil and olive-pomace oil added by phenolic compounds from olive leaves European Journal of Lipid Science and Technology Volume 112, Issue 8, pages 894–905,

21-M. Gharsallaoui, C. Benincasa, **M. Ayadi**, E. Perri, M. Khelif, S. Gabsi (2011) : Study on the impact of wastewater irrigation on the quality of oils obtained from olives harvested by hand and from the ground and extracted at different times after the harvesting. Scientia Horticulturae 128, 23–29

22- A. Larbi, **M. Ayadi**, A. Ben Dhiab, M. Msallem and J. M. Caballero (2011): Olive cultivars suitability for high-density orchards. Spanish journal of Agricultural research 9(4), 00-00

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24- A. Larbi, **M. Ayadi**, A. Ben Dhiab, M. Msallem and J. M. Caballero (2011): Olive cultivars suitability for high-density orchards. Spanish journal of Agricultural research 9(4), 00-00

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26-Ghayth Rigane, **Mohamed Ayadi**, Maher Boukhris, Sami Sayadi and Mohamed Bouaziz 2012 : characterisation and phenolic profiles of two rare olive oils from southern Tunisia: Dhokar and Gemri-Dhokar cultivars. Society of Chemical Industry (wileyonlinelibrary.com) DOI 10.1002/jsfa.5815

27-Hazem Jaber, **Mohamed Ayadi**, jamel Makni, Ghayth Rigane, Sami sayadi and Mohamed Bouaziz (2012): Stabilization of refined olive oil by enrichment with chlorophyll pigments extracted from chemlali olive leaves. Eur. J. lipid Sci. technol, 114, 1274-1283.

28-Cinzia Benincasa, Mariem Gharsallaoui, Enzo Perri, Caterina Briccoli Bati, **Mohamed Ayadi**, Mohsen Khelif and Slimane Gabsi (2012) : Quality and trace element profile of tunisian olive oils obtained from plants irrigated with treated wastewater. The scientific Word journal volume 2012, Article ID 535781, 11 pages

29-M. Gharsallaoui, C. benincasa, **M. Ayadi**, E. Perri, M. Khlif, S. Gabsi (2012): Impact of olives storage and irrigation with treated wastewater on the oil quality: simulation of olive mill conditions. Sky journal of food Scices vol.1 (1) November 2012

30-Noomen Hadj-Taeib, Naziha Grati, **Mohamed Ayadi**, Imen Attia, Houda Bensalem and Ali Gargouri (2012): Optimisation of olive oil extraction and minor compounds content of Tunisian olive oil using enzymatic formulations during malaxation. Biochemical Engineering journal 62; 79-85

31-A. Larbi, **M. Ayadi**, A. Ben Dhiab, M. Msallam and J. M. Caballero (2012): Planting density affects vigour and production of 'Arbequina' olive. Spanish Journal of Agricultural Research <http://dx.doi.org/10.5424/sjar/2012104-556-11>

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2: N. GRATI-KAMMOUN **M Ayadi**, M. KHLIF, B. REKIK, H. REKIK Mr. T. Hamdi, 1998. " Study of the evolution of the characteristics of the oil of the olive variety Chemlali Sfax during the maturation process." Paper presented at the Vth National Symposium on Recent Achievements in Agricultural Research and Veterinary. 3-4 December 1998, Hammamet (Tunisia). P 176-182.

3: **M. Ayadi**, N. GRATI-KAMMOUN Mr. KHLIF, H. REKIK, Mr N. Arous, B. REKIK and T. Hamdi, 1998. " Analysis of the chemical composition of the oil of olive varieties Gafsa." Paper presented at the Vth National Day on Recent Achievements in Agricultural Research and Veterinary. 3-4 December 1998, Hammamet (Tunisia). P 189-193.

4: **M. Ayadi**, M. KHLIF, N. GRATI-KAMMOUN, H. REKIK, B. REKIK M.T. and Hamdi, 1999. " Olive oil: extraction system and quality". Paper presented at the seminar organized by the COI on 'scientific innovations and their applications in olive and olive oil extraction, Florence (Italy) in March 1999.

5: N. GRATI-KAMMOUN **M.Ayadi**, M. KHLIF, H. REKIK, B. REKIK M.T. and Hamdi, 1999. " Study of the qualitative characteristics of olive oil a few Tunisian varieties." Paper presented at the seminar organized by the COI on

'scientific innovations and their applications in olive growing and oil technology'  
Florence  
(Italy) in March 1999.

6: H. FOURATI, **M. Ayadi**, and M. KHLIF COSSENTINI, 1999. " Plants derived from olive kernels study of the composition and acidic triglyceride". Paper presented at the National Seminar on Oil olive and its derivatives organized by the Chemical Society of Tunisia Hammamet (26-28 November 1999).

7: **M. Ayadi**, M. KHLIF, N. GRATI-KAMMOUN, Mr. N. Arous, H. REKIK, B. REKIK and T. Hamdi, 1999:" The storage of the olive paste." Paper presented at the National Seminar on olive oil and its derivatives organized by the Chemical Society of Hammamet Tunisia (26-28 November 1999).

8: A. LAZZAZ, **M.AYADI**, M. and M. KHLIF COSSENTINI, 1999. " Evolution of the rate of fatty acids and triacylglycerols in the ripe olives of the variety of Sfax Chemlali". Submission national seminar on olive oil and its derivatives held by the Company Chemical Tunisia Hammamet (26-28 November 1999).

9: N. GRATI-KAMOUN **M. Ayadi**, M. KHLIF, A. TRIGUI, Mr N. Arous, H. REKIK, B. REKIK and T. HAMDI 1999. " Influence of the origin and variety on the qualitative characteristics of olive oil". Paper presented at the National Seminar on olive oil and its derivatives organized by the Chemical Society of Hammamet Tunisia (26-28 November 1999).

10: N. GRATI-KAMOUN **M. Ayadi**, M. KHLIF, A. TRIGUI, H. REKIK, Mr N. Arous, B. REKIK and M.T. HAMDI 1999. " Selection clonal variety olive Chemlali Sfax: preliminary results." Paper presented at the Vith National Symposium on Recent Achievements in Agricultural Research and Veterinary. 3-4 December 1999, Hammamet (Tunisia). P 259-264.

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12: KHLIF M., **M. Ayadi**, N. GRATI-KAMMOUN, Mr. N. Arous,

H. REKIK, B. REKIK and T. Hamdi, 2000. " Identifying Chemlali olive variety in traditional icts area". Paper presented at the 4th International Symposium on Olive Growing Olive" 2000". Bari 25-30 September 2000. Abstract of oral presentation 1-16.

13: N. GRATI KAMOUN Mr. KHLIF, **M. AYADI** AND B KARRAY, M N. Arous, H. REKIK, B. REKIK and T. Hamdi, 2000. " Clonal selection of olive cv.Chemlali Sfax: Preliminary results." Paper presented at the 4th International Symposium on Olive Growing Olive" 2000". Bari 25-30 September 2000. Abstract of poster presentation 1-7.

14: N. GRATI KAMMOUN **M. Ayadi**, M. KHLIF, A. TRIGUI, B. KARRAY, Mr. N. Arous, H. REKIK, B. REKIK M.T. and Hamdi, 2000. " Pomological and chemical characterization of Tunisian Olive tree (Olea europea L)". Paper presented at the 4th International Symposium on Olive Growing Olive" 2000". Bari 25-30 September 2000. Abstract of poster presentation 1-23.

15: N. GRATI-KAMMOUN **M. Ayadi**, M. KHLIF, H. REKIK, B. REKIK Mr. T. Hamdi and N. Arous, 2000. " Pomological characterization and chemical olive varieties grown in Tunisia. Southern varieties" Paper presented at the VIIth National Symposium on Recent Achievements in Agricultural Research and Veterinary 23-24 November 2000, Hammamet (Tunisia). Summary P 52.

2000. " Quantitative and qualitative study of phenolic compounds in oils extracted from seedlings of olive kernels." Paper presented at the VIIth National Symposium on Recent Achievements in Agricultural Research and Veterinary. 23-24 November 2000. Nabeul (Tunisia). Summary P 61.

17: **M. Ayadi**, M. KHLIF, N. GRATI-KAMMOUN, Mr. N. Arous, H. REKIK, B. REKIK M.T. and Hamdi, 2000. " Impact of storage of the dough with olive oil quality" Paper presented at the VIIth National Symposium on Recent Achievements in Agricultural Research and Veterinary. 23-24 November 2000. Nabeul (Tunisia). Abstract P 104.

18: **M. Ayadi**, M. KHLIF, B. REKIK, Mr. N. Arous, H. REKIK, 2001. " Olive oil extraction: effect of different steps of centrifugal process paste on some olive oil qualitative characteristics." Abstract accepted for the 24th World Congress and Exhibition of the International Society for Fat Research to be held at the International Congress Center Berlin, Germany, from 16 to 20 September 2001.

19: N. GRATI-KAMMOUN M. KHLIF **M Ayadi**, B.KARRAY, 2001. " Selection is based on olive oil CV.Chemlali Sfax acid composition and happy." Abstract accepted for the 24th World Congress and Exhibition of the



International Society for Fat Research to be held at the International Congress Center Berlin, Germany, from 16 to 20 September 2001.

20: N. GRATI-KAMMOUN, **M. Ayadi**, M. KHLIF, B.KARRAY, MN Arous, H. REKIK, B. REKIK, M.T. Hamdi, 2001. " Genetic diversity of south Tunisian Olive Tree (*Olea Europea L.*) based on chemical and Pomological traits." Abstract accepted for the 24th World Congress and Exhibition of the International Society for Fat Research to be held at the International Congress Center Berlin, Germany, from 16 to 20 September 2001.

21: A. LAZZAZ **M. Ayadi**, B. KARRAY, M. and M. KHLIF COSSENTINI, 2001." Relationship between fatty acids and Between Themselves fatty acids and triglycerides falling on maturity of olives Chemlali" Abstract accepted for the 24th World Congress and Exhibition of the International Society for Fat Research to be held at the International Congress Center Berlin, Germany, from 16 to 20 September 2001.

22: A. LAZZAZ **M. Ayadi**, B. KARRAY, M. and M. KHLIF COSSENTINI, 2001." Effect of hydrous stress on the phenolic compounds in the olive oil." Abstract accepted for the 24th World Congress and Exhibition of the International Society for Fat Research to be held at the International Congress Center Berlin, Germany, from 16 to 20 September 2001.

23: H. FOURATI, **M. Ayadi**, B. KARRAY, M. and M. KHLIF COSSENTINI, 2001." Study of the acidic and triglyceridic compositions and determination of the Relationship between two parameters" thesis. Abstract accepted for the 24th World Congress and Exhibition of the International Society for Fat Research to be held at the International Congress Center Berlin, Germany, from 16 to 20 September 2001.

24: H. FOURATI, **M. Ayadi**, B. KARRAY, M. and M. KHLIF COSSENTINI, 2001." Tree-Comparison between mother and offspring Pomological characteristics and chemical". Abstract accepted for the 24th World Congress and Exhibition of the International Society for Fat Research to be held at the International Congress Center Berlin, Germany, from 16 to 20 September 2001.

25. ALARBI Mr. MSALLEM, A. BENDHIAB **M. Ayadi**, A. BENMNA CABALLERO AND JM (2009) Influence of planting density on the initial generation of Arbequina olive orchard in Tunisia Expoliva Jaén May 13-15, 2009

26. B. Ben Rouina, K.Gargouri Mr. Abichou, **M.Ayadi**, A. rhouma, s. jilani, A. Ouled Amor, A. and N.Soua Jribi (2009): Use of liquid effluents from the processing industry olives as liquid fertilizer farmland Expoliva Jaén May 13-15, 2009

27. Ajmi Larbi **Mohamed Ayadi** and Msallem Monji (2009): Comparative study of Tunisian and foreign olive cultivars suitability for high density planting system Olivebioteq 2009 International Symposium, December 15-19. Sfax - Tunisia Abstract p37.

28. **Mohamed Ayadi**, Meriem Gharsellaoui (2009) Extraction of virgin olive oil by continuous centrifugation system has two phases: influence of different process variables on some quality parameters of oil Olivebioteq International Symposium 2009, 15-19 December. Sfax - Tunisia Abstract p53.

29. - Gharsellaoui Meriem **Mohamed Ayadi** (2009): Quality of olive oil produced by the mills governorates of Sfax (Tunisia) during the 2008-2009 season Olivebioteq International Symposium 2009, 15-19 December. Sfax - Tunisia, Abstract p162.

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