

## I- PUBLICATIONS DE RECHERCHE

### Année 2013

- 1- Kerkeni, M., Saïdi, A., Bouzidi, H., Letaief, A., Ben Yahia, S. & Hammami, M.  
*Pentosidine as a biomarker for microvascular complications in type 2 diabetic patients*  
**Diabetes and Vascular Disease Research10, Issue (2013) 239-245**

### Année 2012

- 2- Kerkeni, M., Saïdi, A., Bouzidi, H., Yahya, S.B., Hammami, M.  
*Elevated serum levels of AGEs, sRAGE, and pentosidine in Tunisian patients with severity of diabetic retinopathy*  
**Microvascular Research 84/ 3, (2012) 378-383**
- 3- Kamel Msaada, Karim Hosni, Mouna Ben Taarit, **Mohamed Hammami**, Brahim Marzouk  
*Effects of Crop Season and maturity stage on the yiel and composition of essential oil of coriander ((Coriandrum sativum L.) fruit*  
**Medicinal and Aromatic Plant Science and Biotechnology 6 (special issue 1), (2012); 115-122**
- 4- Kamel Msaada, Mouna Ben Taarit, Karim Hosni, Nidhal Salem, Sonia Tammar, Iness Bettaieb, **Mohamed Hammami**, Férid Limam and Brahim Marzouk  
*Composition of different extraction methods for the determination of essential oils and related compounds from coriander (Coriandrum sativum L.)*  
**Acta. Chim. Slov. 2012. 59, 803-813.**
- 5- Amira El Arem, Emna B. Saafi, Beligh Mechri, Lahouar Lamia, Manel Issaoui, **Mohamed Hammami**, and Lotfi Achour  
*Effects of the ripening stage on phenolic profile, phytochemical composition and antioxidant activity of date palm fruit*  
**J. Agric. Food Chem. 2012. 60, 10896-10902.**
- 6- Faten Brahmi, Beligh Mechri, Samia Dabbou, Madiha Dhibi, **Mohamed Hammami**,  
*The efficacy of phenolics compounds with different polarities as antioxidants from olive leaves depending on seasonal variations*  
**Industrial Crops and Products 38 (2012) 146-152.**
- 7- Amel Nakbi, Wafa Tayeb, Samia Dabbou, Issam Chargui, Manel Issaoui, Ameer Frih, Zohra Ben Ali, Mohamed A. Alsaif and **Mohamed Hammami**,  
*Olive oil protects against 2,4-dichlorophenoxyacetic acid-induced oxidative renal dysfunction in adult rats*  
**Eur. J. Lipid Sci. Technol. 2012, 114, 469-478.**
- 8- Manel Issaoui, Hechmi Chehab, Guido Flamini, Beligh Mechri, Mohamed Hammami, Pier Luigi Cioni, and **Mohamed Hammami**  
*Influence of two maturation stages and three irrigation regimes on chétoui, olive oil quality*  
**Journal of Agricultural Research vol. 6(30) decembre 2012**
- 9- Emna B. Saafi, Guido Flamini, Amira El Arem, Manel Issaoui, Samia Dabbou, Leila Ben Yahia, Ali Ferchichi, **Mohamed Hammami** & Lotfi Achour  
*Compositional characteristics and aromatic profile of date palm seeds from seven varieties grown in Tunisia.*  
**International Journal of Food Science and Technology 2012, 47, 1964-1969.**
- 10- Amira mnari B, Sonia F. Zaghib, Madiha Dhibi, Hanene Jrah-Harzallah, Samia Dabbou, Mohamed El Cafsi, **Mohamed Hammami**, Abdelhamid Chaouch  
*Effects of different cooking methods on the mineral contents of wild and farmed sea bream (Sparus aurata)*  
**International Journal of Food Science and Technology 2012, 47, 1964-1969.**
- 11- Wafa Tayeb, Amel Nakbi, Samia Dabbou, Issam Chargui, Manel Issaoui, Abdelfatath Zakhama, Abdelhedi Miled, **Mohamed Hammami**.  
*Hypolipidimic and antioxidant activities of virgin olive oil and its fractions in 2,4-diclorophenoxyacetic acid- treated rats*  
**Nutrition 28 (2012) 81-91.**

- 12- Iness Jabri-Karoui, Iness Bettaieb, Kamel Msaada, **Mohamed Hammami**  
*Research on the phenolic compounds and antioxidant activities of Tunisian thymus capitatus*  
**Journal of functional foods 4 (2012) 661-669**
- 13- Madiha Dhibi, Guido Flamini, Manel Issaoui, & **Mohamed Hammami**  
*Volatile compounds and oxidative stability of pinus halepensis mill. Seed oil under heating conditions*  
**International Journal of Food Science and Technology 2012, 47, 1158-1164.**
- 14- Madiha Dhibi, Beligh Mechri, Faten Brahmi, Fathia Skhiri, Mohamed A. Alsaiff and **Mohamed HAMMAMI**  
*Fatty acid profiles, antioxidant compounds and antiradical properties of Pinus halepensis mill. Cones and seeds*  
**J. Sc. Food, Agric, 2012; 92: 1702-1708.**
- 15- Emna Behija Saafi-Ben Salah, Amira El Arem, Mouna Louedi, Mongi Saoudi, Abdelfattah Elfeki, Abdelfatath Zakhama, Mohame Fadhel Najjar, **Mohamed Hammami**, Lotfi Achour.  
*Antioxidant-rich date palm fruit extract inhibits oxidative stress and nephrotoxicity induced by dimethoate in rat.*  
**J. Physiol Biochem (2012) 68:47-58**
- 16- Amira El Arem, Emna B. Saafi, Guido Flamini, Manel Issaoui, Ali Ferchichi, **Mohamed Hammami**  
*Volatile and nonvolatile chemical composition of some date fruits (Phoenix dactylifera L.) Harvested at different stages of maturity*  
**International Journal of Food Science and Technology 2012, 47, 549-555.**
- 17- Anne Vejux, Thomas Montange, Mucy Martine, **Amira Zarrouk**, Jean-Marc Riedinger, and Gérard Lizard  
*Absence of oxysterol-like side effects in human monocytic cells treated with phytosterols and oxyphytosterols*  
**Journal of Agricultural and Food chemistry, April 10, 2012.**
- 18- Hanene Jrah Harzallah, Rahm Grayaa, Wafa Kharoubi, Aya Maaloul, **Mohamed Hammami**, and Touhami Mahjoub  
*Thymoquinone, the nigella sativa bioactive compound, prevents circulatory oxidative stress caused by 1,2-Dimethylhydrazine in erythrocyte during colon postinitiation carcinogenesis*  
**Oxidative Medicine and Cellular Longevity, volume 2012, article ID 854065, 6 pages.**
- 19- Sonia Hammami, Sounira Mehri, Said Hajem, Nadia Koubaa, Hala Souid and **Mohamed Hammami**  
*Prevalence of diabetes mellitus among non institutionalized elderly in Monastir City*  
**BMC Endocrine Disorders 2012, 12:15.**
- 20- Wafa Tayeb, Amel Nakbi, Mounir Trabelsi, Abdelhedi Miled, and **Mohamed Hammami**  
*Biochemical and histological evaluation of kidney damage after sub-acute exposure to 2,4-dichlorophenoxyacetic herbicide in rats : involvement of oxidative stress*  
**Toxicology mechanisms and Methods, 2012 ; 22(9): 696-704.**
- 21- S. Dabbou, M. Issaoui, F. Brahmi, A. Nakbi, H. Chehab, B. Mechri, **M. Hammami**  
*Changes in volatile compounds during processing of Tunisian-style table olives*  
**JAOCs, Journal of the American Oil Chemists Society, Vol 89, issue 2, February 2012, p 347-354.**
- 22- S. Dabbou, I. Chaieb, I. Rjiba, M. Issaoui, A. Echbili, A. Nakbi, N. Gazzah, **M. Hammami**  
*Multivariate data analysis of fatty acid content in the classification of olive oils developed through controlled crossbreeding*  
**JAOCs, Journal of the American Oil Chemists Society, Vol 89, issue 4, April 2012, p 667-674**
- 23- M. Issaoui, G. Flamini, H. Chehab, P.L. Cioni, M. Braham, **M. Hammami**  
*Irrigation regimes and growing area effects on chétoui olive quality*  
**Journal of Food Biochemistry 2012**
- 24- M. Dhibi, M. Issaoui, F. Brahmi, B. Mechri, A. Mnari, F. Skhiri, N. Gazzah, **M. Hammami**  
*Nutritional quality of fresh and heated aleppo pine (Pinus halepensis Mill.) seed oil: trans-fatty acid isomers profiles and antioxidant properties*  
**Journal of Food Science and Technology 2012, p 1-11.**
- 25- F. Brahmi, G. Flamini, M. Issaoui, M. Dhibi, S. Dabbou, M. Mastouri, **M. Hammami**  
*Chemical composition and biological activities of volatile fractions from three tunisian cultivars of olive leaves*  
**Medicinal Chemistry Research, Vol 21, Issue 10, octobre 2012, p 2863-2872.**

- 26- Sounira Mehri, Sinda Mahjoub, Sonia Hammami, Amira Zaroui, Ameer Frih, Fathi Betbout, Rachid Mechmeche, **Mohamed Hammami**  
*Renin-angiotensin system polymorphisms in relation to hypertension status and obesity in a Tunisian population*  
**Mol Biol Rep (2012) 39 : 4059-4065.**
- 27- Mohsen Kerkeni, Amel Saidi, Hassan Bouzidi, Ahmed Letaief, Slim Ben Yahya and **Mohamed Hammami**  
*Pentosidine as a biomarker for microvascular complications in type 2 diabetic patients*  
**Diabetes & Vascular Disease Research 2012.**
- 28- Mohsen Kerkeni, Amel Saidi, Hassan Bouzidi, Slim Ben Yahya, **Mohamed Hammami**  
*Elevated serum levels of AGEs, sRAGE, and pentosidine in Tunisian patients with severity of diabetic retinopathy*  
**Microvascular Research 84 (2012) 378-383.**
- 29- Madiha Dhibi, Samira Sifi, Kamel Gaddour, Kamel Ben Ammar & **Mohamed Hammami**  
*Détection d'AND et du promoteur 35S des organismes génétiquement modifiés (OGM) dans l'huile de soja consommé en Tunisie*  
**Microbiol, Hyg. Alim, Vol 24, N°69-mars 2012.**
- 30- Amira Zarrouk, Anne Vejux, Thomas Nury, Hammami I, El Hajj, Madouda Haddad, Mustapha Cherkaoui-Malki, Jean-Marc Riedinger, **Mohamed Hammami**, and Gérard Lizard  
*Induction of mitochondrial changes associated with oxidative stress on very long chain fatty acids (C22:0, C24:0, or C26:0)- Treated human neuronal cells (SK-NB-E)*  
**Oxidative Medicine and Cellular Longevity, Volume 2012, p15**

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- 31- Sounira Mehri, Sinda Mahjoub, Abdeljelil Farhati, Rafik Bousaada, Saida Ben Arab, Bruno Baudin and **Mohamed Hammami.**  
*Angiotensinogen gene polymorphism in acute myocardial infarction patients*  
**Journal of the Renin-Angiotensin-Aldosterone System V12, N°1 March 2011**
- 32- Sounira Mehri, Sinda Mahjoub, Josef Finsterer, Amira Zaroui, Rachid mechmeche, Bruno Baudin and **Mohamed Hammami**  
*The CC genotype of the andiotensin II type I receptor gene independently associates with acute myocardial infarction in a tunisian population*  
**Journal of the Renin-Angiotensin-Aldosterone System (2011).**
- 33- Sounira Mehri, Sinda Mahjoub, Sonia Hammami, Amira Zaroui, Ameer Frih, Fathi Betbout, Rachid Mechmeche & **Mohamed Hammami.**  
*Renin-angiotensin system polymorphisms in relation to hypertension status and obesity in a tunisian population.*  
**Mol. Biol. Rep (2011)**
- 34- Ouni Youssef, Flamini Guido, Issaoui Manel, Nabil Ben Youssef, Cioni Pier Luigi, **Hammami Mohamed**, Douja Daoud, Zarrouk Mokhtar.  
*Volatile compounds and compositionnal quality of virgin olive oil from oueslati variety : influence of geographical origin.*  
**Food Chemistry 124 (2011) 1770-1776.**
- 35- Lamia Lahouar, Fatma Ghrairi, Mouldi El Felah, Hichem Ben Salem, Abdelhedi Miled, **Mohamed Hammami** et Lotfi Achour  
*Effect of dietary fiber of « Rihane » barley grains and azoxymethane on serum and liver lipid variables in wistar rats.*  
**J. Physiol biochem (2011) 67 :27-34.**
- 36- Beligh Mechri, Hechmi Cheheb, Olfa Boussadia, Faouzi Attia, Fethi Ben Mariem, Mohamed Braham et **Mohamed Hammami**  
*Effects of agronomic application of olive mill wastewater in a field of olive trees on carbohydrate profiles, chlorophyll a fluorescence and mineral nutrient content*  
**Environmental and experimental botany 71 (2011) 184-191.**
- 37- Emna Behija Saafi, Mouna Louedi, Abdelfattah Elfeki, Abdelfattah Zakhama, Mohamed Fadhel Najjar, **Mohamed Hammami** et Lotfi Achour  
*Protective effect of date palm fruit extract (Phoenix dactylifera L.) on dimethoate induced-oxidative stress in rat liver*  
**Experimental and toxicologic pathology 63 (2011) 433-441.**

- 38- Nadia Koubaa, Maha Smaoui, Sounira Mehri, Amel Nakbi, Sonia Hammami, Raja Chaaba, Khaldoun Ben Hamda, Fethi Betbout, Mohamed Ameer Frih et **Mohamed Hammami**  
*Interactions between total plasma homocysteine, oxidized LDL levels, thiolactonase activities and dietary habits in tunisian diabetic patients*  
**Role of the adipocyte in development of type 2 Diabetes, ed C Croniger ed. INTECH chap 9 p179-194**
- 39- Manel Issaoui, Guido Flamini, Myriem Ellouze Hajaj, Pier Luigi Cioni and **Mohamed Hammami**  
*Oxidative evolution of virgin and flavored olive oils under thermo-oxidation processes*  
**J. Am. Oil Chem Soc (2011) 88 : 1339-1350.**
- 40- Madiha Dhibi, Faten Brahmi, Amira Mnari, Zohra Houas, Issam Chargui, Linda Bchir, Noureddine Gazzah, Mohamed A. Alsaif et **Mohamed Hammami**  
*The intake of high fat diet with different trans fatty acid levels differentially induces oxidative stress and non alcoholic fatty liver disease (NAFLD) in rats*  
**Nutrition & Métabolism 2011, 8 : 65.**
- 41- Manel Issaoui, Samia Dabbou, Beligh Mechri, Amel Nakbi, Hechmi Chehab, **Mohamed Hammami**  
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- 42- Wafa Tayeb, Amel Nakbi, Issam Chargui, Imed Cheraief, Abdelhedi Miled, **Mohamed Hammami**  
*Subacute effects of 2,4-dichlorophenoxyacetic herbicide on antioxidant defense system and lipid peroxidation in rat erythrocytes*  
**Pesticide Biochemistry and Physiology 99 (2011) 256-264.**
- 43- Ahmed Barkia, Kamel Mohamed, Maha Smaoui, Nouri Zouari, **Mohamed Hammami** and Moncef Nasri  
*Change of diet, plasma lipids, lipoproteins and fatty acids during ramadan : A controversial association of the considered ramadan model with atherosclerosis risk*  
**J. Heal popul Nutr 2011 octobre 29 (5) 486-493.**
- 44- Faten brahmi, Samia Dabbou, Guido Flamini, Hayet Edziri, Maha Mastouri et **Mohamed Hammami**  
*Fatty acid composition and biological activities of volatiles from fruits of two tunisian olive cultivars*  
**International Journal of Food Science and Technology 2011, 46, 1316-1322.**
- 45- Imed Rjiba, Noureddine Gazzah, Samia Dabbou and **Mohamed Hammami**  
*Evaluation of virgin olive oil minor compounds in progenies of controlled crosses*  
**Journal of food biochemistry ISSN 1745-4514.**
- 46- Samia Dabbou, Faten Brahmi, Roberto Selgaggini, Hechmi Chehab, Sihem Dabbou, Agnese Taticchi, Maurizio Servili and **Mohamed Hammami**  
*Contribution of irrigation and cultivars to volatile profile and sensory attributes of selected virgin olive oils produced in tunisia.*  
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- 47- Samia Dabbou, Manel Issaoui, Faten Brahmi, Amel Nakbi, Beligh Mechri, **Mohamed Hammami**  
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- 48- Samia Dabbou, Sihem Dabbou, Hechmi Chehab, Faten Brahmi, Agnese Taticchi, Maurizio Servili et **Mohamed Hammami.**  
*Chemical composition of virgin olive oils from koroneiki cultivar grown in Tunisia with regard to fruit ripening and irrigation regimes*  
**International Journal of Food Science and Technology 2011, 46, 577-585.**
- 49- Sonia Hammami, Sounira Mehri, Said Hajem, Nadia Koubaa, Mohamed A. Frih, Samy Kammoun, **Mohamed Hammami** and Fathi Betbout.  
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- 54- Toma, G.M. Simu, D. Hanganu, N. Olah, F.M.G. Vata, C. Hammami, **M. Hammami**  
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- 55- A. Nakbi, W. Tayeb, S. Dabbou, M. Issaoui, A. Grissa, N. Attia, **M. Hammami**  
*Effects of olive oil and its fractions on oxidative stress and the liver's fatty acid composition in 2,4-Dichlorophenoxyacetic acid-treated rats*  
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- 56- A. Nakbi, W. Tayeb, S. Dabbou, M. Issaoui, A. Grissa, N. Attia, **M. Hammami**  
*Dietary olive oil effect on antioxidant status and fatty acid profile in the erythrocyte of 2,4-D-exposed rats*  
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- 57- M. Issaoui, G. Falmini, F. Brahmi, S. Dabbou, K. Ben Hassine, A. Taamali, H. Chehab, M. Ellouz, M. Zarrouk,  
**M. Hammami**  
*Effect of the growing area conditions on differentiation between chemlali and chétoui olive oils*  
**Food Chemistry** 119, p 220-225 (2010)
- 58- A. Mnari Bhourri, H. Jrah Harzallah, M. Dhibi, I. Bouhlel, **M. Hammami**, A. Chaouch  
*Effects of frying on the fatty acid composition in farmed and wild gilthead sea bream (Sparus aurata)*  
**International journal of food Science and Technology, 45, p 113-123 (2010)**
- 59- K. Hosni, K. Msaâda, M. Ben Taârit, **M. Hammami**, B. Marzouk  
*Bioactive components of three hypericum species from tunisia a comparative study*  
**Industrial crops and products** 31, p 158-163, (2010)
- 60- S. Dabbou, I. Rjiba, A. Nakbi, N. Gazzah, M. Issaoui, **M. Hammami**  
*Compositional quality of virgin olive oils from cultivars introduced in tunisian arid zones in comparison to chemlali cultivars*  
**Scientia Horticulturae** 124, p 122-127, (2010)
- 61- Lamia Lahouar & Fatma Ghrairi & Mouldi El Felah & Hichem Ben Salem, Abdel Hedi Miled & **Mohamed Hammami**  
& Lotfi Achour  
*Effect of dietary fiber of "Rihane" barley grains and azoxymethane on serum and liver lipid variables in Wistar rats*  
**J Physiol Biochem** 10. (2010) 45-53
- 62- S. Mahjoub, S. Mehri, E. Ghazouani, F. Ouarda, R. Boussada, R. Mechmeche, **M. Hammami** and S. Ben Arab  
*HLA class II polymorphism in tunisian patients with dilated cardiomyopathy*  
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- 63- F. Kotti, K. Jaziri, F. Arab, Y. Mater, S. Sifi, N. Fares, **M. Hammami** and M. Gargouri  
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- 64- W. Tayeb, A. Nakbi, M. Trabelsi, N. Attia, A. Miled, **M. Hammami**  
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- 66- A. Mnari Bhrouri, H. Jrah Harzallah, Madiha Dhibi, I. Bouhlel, M. El Cafsi, **M. Hammami**, A. Chaouch  
*Effects of different cooking treatments on flesh fatty acid composition of total lipids in farmed sea bass *dicentrarchus labrax* (Moronidae)*  
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*Olive mill waste war effects on the microbial communities as studied in the field of olive trees by analysis of fatty acid signatures*  
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- 68- N. Attia, A.M. Lorec, N. Domingo, A. Nakbi, S. Hammami, Kh. Ben Hamda, R. Chaaba, A.S Masmoudi, Ph. Moulin, H. Portugal, D. Lairon, F. Chanussot and **M. Hammami**  
*High density lipoprotein-anionic peptide factor effect on reverse cholesterol transport in type 2 diabetic patients with and without coronary artery disease*  
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- 69- Samia Dabbou, H. Chehab, F. Brahmi, Sihem Dabbou, S. Esposto, R. Selvaggini, Agnese Taticchi, M. Servili, G. Francesco Montedoro and **M. Hammami**  
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**Agricultural water management 97, p 763-768 (2010).**
- 70- A. Mnari Bhouri, H. Jrah Harzallah, Madiha Dhibi, I. Bouhlel, **M. Hammami** and A. Chaouch  
*Nutritional fatty acid quality of raw and cooked farmed and wild sea bream (*Sparus aurata*)*  
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- 71- A. Mnari, I. Bouhlel, L. Chouba, **M. Hammami**, M. El Cafsi and A. Chaouch  
*Total lipid content, fatty acid and mineral compositions of muscles and liver in wild and farmedsea bass (*Dicentrarchus labrax*)*  
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- 72- K. Msaada, K. Hosni, M. Ben Taarit, **M. Hammami** & B. Marzouk  
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- 73- S. Dabbou, I. Rjiba, A. Echbili, N. Gazzah, B. Mechri and **M. Hammami**  
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- 76- Sounira Mehri, Nadia Koubaa, Amel Nakbi, Sonia Hammami, Raja Chaaba, Sinda Mahjoub, Bechir Zouari, Mohamed Abid, Saida Ben Arab, Bruno Baudin & **Mohamed Hammami**  
*Relationship between genetic polymorphisms of angiotensin-converting enzyme and methylene-tetrahydrofolate reductase as risk factors for type 2 diabetes in Tunisian patients*  
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- 77- Karim Hosni, Kamel Msaâda, Mouna Ben Taârit, **Mohammed Hammami**, Brahim Marzouk  
*Bioactive components of three Hypericum species from Tunisia: A comparative study*  
**Industrial Crops and Products 31 (2010) 158–163**
- 78- Manel Issaoui, Guido Flamini, Faten Brahmî, Samia Dabbou, Kaouther Ben Hassine, Amani Taamali, Hechmi Chehab, Myriem Ellouz, Mokhtar Zarrouk d & **Mohamed Hammami**  
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**Food Chemistry 119 (2010) 220–225**

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- 79- Dabbou S, M Issaoui, S Esposto, S Sifi, A Taticchi, M Servili, F Montedoro and **Mohamed Hammami**.  
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**Journal of Food Lipids 16 (2009) 164-186**
- 83- B. Mechri, M. Issaoui, A. Echbili, H. Chehab, M. Braham, **M. Hammami**  
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**Journal of Hazardous Materials 172 (2009) 1544-1550**
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