

Curriculum Vitae

ABDERRABBA

Mohamed Abdelmanef

Born February 9th, 1959

Nationality: Tunisian

Married, 3 children

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CURRENT ACTIVITIES

- Professor of Higher education since 1995.
- Head of the molecular materials and applications laboratory at IPEST (La Marsa).

ACADEMIC BACKGROUND

- ✓ Classes preparing for entrance examinations to the French Grandes Ecoles, 1977-1979
- ✓ Engineering diploma (Graduate School of Chemistry and Physics Bordeaux Institute of Technology), 1982.
- ✓ Master of Science in physical chemistry, 1982.
- ✓ Professional master degree in business and management, The French "Institut d'Administration des Entreprises "IAE", Bordeaux, 1983.
- ✓ Doctorate diploma in physical chemistry (with highest distinction), University of Bordeaux, 1984, (scholarship D.G.R.S.T).
- ✓ PhD, Bordeaux, 1987, (with highest distinction).

AWARDS AND HONOURS

- ✓ Recipient of the Knight grade of the French order of chivalry « Ordre des palmes académiques », appointed by decree by the French prime minister and after nomination by the French minister of Education, November, 2001.

ADMINISTRATIVE RESPONSIBILITIES

- General Director of Technological studies at the Ministry of Higher Education and Research, Tunisia, 2008-2012.
- President of the ministerial Commission of Markets, February-December, 2011.
- General Director of Technopark Borj Cedria (May 2005-April 2008)
- General Director of "Ecole polytechnique de Tunisie", Tunisia (March 2004 -April 2005)
- Director of « Institut Préparatoire aux Etudes d'Ingénieur de Tunis » (2001-2004)
- Director of studies and internships at I.P.E.S.T. (1998- 2001)
- Head of Department of preparatory studies at I.P.E.S.T. (April1995-January 1998)

RESPONSIBILITIES IN SCIENTIFIC RESEARCH :

- ✓ Director of the physical-chemistry research unit since March 1995
- ✓ Member of the National committee of the Tunisian Chemical Society (2000-2004)

- ✓ Head of several research collaboration projects in France such as CMCU and CNRS-DGRST, the latest project (2008-2012), was in collaboration with Université Paris VI and it aimed at solving pollution problems using titanium dioxide.
- ✓ Reviewer for several research journals such as Journal of chromatography.
- ✓ Supervisor and co-supervisor of several PhD and master students.
- ✓ Reporter for several national and international PhD committees.
- ✓ Author of more than 90 papers published in international peer-reviewed journals (INDEX SCOPUS: 11).
- ✓ Author and co-author of 4 industrial patents
- ✓ Chairman of several international and scientific congresses.
- ✓ President of the scientific committee of CHITEL 2006 (Congress of theoretical chemists of latin expression).
- ✓ Associate researcher in several laboratories abroad.
- ✓ Associate Researcher at the University of Tsukuba in Japan (since 2005)

SCOPUS PUBLICATIONS :

1

Noubigh, A., Jeribi, C., Mgaidi, A., Abderrabba, M.

Solubility of gallic acid in liquid mixtures of (ethanol + water) from (293.15 to 318.15) K
(2012) Journal of Chemical Thermodynamics, 55, pp. 75-78.

2

Mejri, J., Abderrabba, M., Mejri, M.

Investigation and modeling of extraction parameters of *Ruta chalepensis* L. essential oil
(2012) Journal of Essential Oil-Bearing Plants, 15 (4), pp. 516-525.

3

Helali, Z., Markovits, A., Minot, C., Abderrabba, M.

First-row transition metal atoms adsorption on rutile TiO₂(110) surface
(2012) Structural Chemistry, 23 (5), pp. 1309-1321.

4

Bousslama, M., Amamra, M.C., Jia, Z., Ben Amar, M., Chhor, K., Brinza, O., Abderrabba, M.,
Vignes, J.-L., Kanaev, A.

Nanoparticulate TiO₂-Al₂O₃ photocatalytic media: Effect of particle size and
polymorphism on photocatalytic activity
(2012) ACS Catalysis, 2 (9), pp. 1884-1892.

5

Ellouze, I., Abderrabba, M., Sabaou, N., Mathieu, F., Lebrihi, A., Bouajila, J.

Season's Variation Impact on Citrus aurantium Leaves Essential Oil: Chemical Composition
and Biological Activities
(2012) Journal of Food Science, 77 (9), pp. T173-T180.

6

Baati, T., Bourasset, F., Gharbi, N., Njim, L., Abderrabba, M., Kerkeni, A., Szwarc, H.,
Moussa, F.

Corrigendum to "The prolongation of the lifespan of rats by repeated oral administration of
[60]fullerene" [Biomaterials 33 (2012) 4936-4946]
(2012) Biomaterials, 33 (26), pp. 6292-6294.

7

Hassine, D.B., Abderrabba, M., Yvon, Y., Lebrihi, A., Mathieu, F., Couderc, F., Bouajila, J.

Chemical composition and in Vitro evaluation of the antioxidant and antimicrobial activities
of Eucalyptus gillii essential oil and extracts
(2012) Molecules, 17 (8), pp. 9540-9558.

8

Jedidi, A., Markovits, A., Minot, C., Abderrabba, M.

Core restructuring for magnetic Fe 55 icosahedral nanoparticles
(2012) Chemical Physics Letters, 541, pp. 101-104.

9

Ben Messaouda, M., Abderrabba, M., Mahjoub, A., Chambaud, G., Hochlaf, M.

Theoretical study of the spectroscopy of methyl substituted 2-Pyridones, tautomers and ions
(2012) Computational and Theoretical Chemistry, 990, pp. 94-99.

10

Baati, T., Bourasset, F., Gharbi, N., Njim, L., Abderrabba, M., Kerkeni, A., Szwarc, H.,
Moussa, F.

The prolongation of the lifespan of rats by repeated oral administration of [60]fullerene
(2012) Biomaterials, 33 (19), pp. 4936-4946.

11

Ayadi, S., Mignon, P., Abderrabba, M., Chermette, H.

Theoretical study of the polymerization of p-tert-butyl-anisol
(2012) International Journal of Quantum Chemistry, 112 (9), pp. 2154-2159.

12

Dhouib, A., Abderrabba, M., Essalah, K., Brites, V., Hochlaf, M.

DFT and Ab Initio calculations of spectroscopic properties of tetramethyltin and of its cation
(2012) International Journal of Quantum Chemistry, 112 (9), pp. 2032-2042.

13

Omri, A.E.L., Han, J., Ben Abdrabbah, M., Isoda, H.

Down regulation effect of Rosmarinus officinalis polyphenols on cellular stress proteins in rat pheochromocytoma PC12 cells

(2012) Cytotechnology, 64 (3), pp. 231-240.

14

Helali, Z., Markovits, A., Minot, C., Dhouib, A., Abderrabba, M.

Improved convergence of rutile-TiO 2(1 1 0) slab properties with thickness by one-side saturation

(2012) Chemical Physics Letters, 531, pp. 90-93.

15

Skanji, R., Ben Messaouda, M., Zhang, Y., Abderrabba, M., Szwarc, H., Moussa, F.

Sequential photo-addition of glycine methyl-ester to [60]fullerene

(2012) Tetrahedron, 68 (12), pp. 2713-2718.

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Ouerfelli, N., Mgaidi, A., Latrous, H., Ammar, M., Abderrabba, M.

Investigations of the ionic self-diffusion coefficients of the trivalent lanthanide 152Eu(III) in diluted Eu(ClO 4) 3 solutions in 1,4-dioxane + water mixtures at 298.15 K

(2012) Physics and Chemistry of Liquids, 50 (2), pp. 222-241.

17

El Omri, A., Han, J., Kawada, K., Ben Abdrabbah, M., Isoda, H.

Luteolin enhances cholinergic activities in PC12 cells through ERK1/2 and PI3K/Akt pathways

(2012) Brain Research, 1437, pp. 16-25.

18

Kanzari, F., Syakti, A.D., Asia, L., Malleret, L., Mille, G., Jamoussi, B., Abderrabba, M., Doumenq, P.

Aliphatic hydrocarbons, polycyclic aromatic hydrocarbons, polychlorinated biphenyls, organochlorine, and organophosphorous pesticides in surface sediments from the Arc river and the Berre lagoon, France

(2012) Environmental Science and Pollution Research, 19 (2), pp. 559-576.

19

Bouslama, M., Amamra, M.C., Brinza, O., Tieng, S., Chhor, K., Abderrabba, M., Vignes, J.-

L., Kanaev, A.

Isolation of titania nanoparticles in monolithic ultraporous alumina: Effect of nanoparticle aggregation on anatase phase stability and photocatalytic activity

(2011) Applied Catalysis A: General, 402 (1-2), pp. 156-161.

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Ayadi, S., Abderrabba, M.

«density functional theory» (DFT) of the addition reactions of 1-ozone on the double bonds of the terpenes: limonene, β -phellandrene, and terpinolene [Étude DFT (« density functional theory ») des réactions d-addition de l-ozone sur les doubles liaisons des terpènes: limonène, β -phellandrène et terpinolène]

(2011) Canadian Journal of Chemistry, 89 (6), pp. 703-708.

21

Messaoudi, S., Dhouib, A., Abderrabba, M., Minot, C.

Wetting of intact and partially dissociated water layer on Ru(0001): A density functional study

(2011) Journal of Physical Chemistry C, 115 (13), pp. 5834-5840.

22

Ennajar, M., Afloulous, S., Romdhane, M., Ibrahim, H., Cazaux, S., Abderraba, M., Raies, A., Bouajila, J.

Influence of the Process, Season, and Origin on Volatile Composition and Antioxidant Activity of Juniperus phoenicea L. Leaves Essential Oils

(2011) Journal of Food Science, 76 (2), pp. C224-C230.

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Marzoug, H.N.B., Romdhane, M., Lebrihi, A., Lebrihi, F., Couderc, F., Abderraba, M., Abderraba, M.L., Bouajila, J.

Eucalyptus oleosa essential oils: Chemical composition and antimicrobial and antioxidant activities of the oils from different plant parts (stems, leaves, flowers and fruits)

(2011) Molecules, 16 (2), pp. 1695-1709.

24

Ben Hassine, D., Ben Ismail, H., Jribi, C., Khouja, M.L., Abderrabba, M.

Chemical composition of some Tunisian Eucalyptus essential oils as obtained by hydrodistillation using Clevenger type apparatus

(2010) Biosciences Biotechnology Research Asia, 7 (2), pp. 647-656.

25

Jedidi, A., Markovits, A., Minot, C., Bouzriba, S., Abderraba, M.

Modeling localized photoinduced electrons in rutile-TiO₂ using periodic DFT+U methodology

(2010) *Langmuir*, 26 (21), pp. 16232-16238. Cited 6 times.

26

Mejri, J., Abderrabba, M., Mejri, M.

Chemical composition of the essential oil of *Ruta chalepensis* L: Influence of drying, hydro-distillation duration and plant parts

(2010) *Industrial Crops and Products*, 32 (3), pp. 671-673.

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Bachrouch, O., Mediouni-Ben Jemâa, J., Wissem, A.W., Talou, T., Marzouk, B., Abderraba, M.

Composition and insecticidal activity of essential oil from *Pistacia lentiscus* L. against *Ectomyelois ceratoniae* Zeller and *Ephestia kuehniella* Zeller (Lepidoptera: Pyralidae)

(2010) *Journal of Stored Products Research*, 46 (4), pp. 242-247.

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El Omri, A., Han, J., Yamada, P., Kawada, K., Abdrabbah, M.B., Isoda, H.

Rosmarinus officinalis polyphenols activate cholinergic activities in PC12 cells through phosphorylation of ERK1/2

(2010) *Journal of Ethnopharmacology*, 131 (2), pp. 451-458.

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Ben Marzoug, H.N., Bouajila, J., Ennajar, M., Lebrihi, A., Mathieu, F., Couderc, F., Abderraba, M., Romdhane, M.

Eucalyptus (*gracilis*, *oleosa*, *salubris*, and *salmonophloia*) essential oils: Their chemical composition and antioxidant and antimicrobial activities

(2010) *Journal of Medicinal Food*, 13 (4), pp. 1005-1012. Cited 5 times.

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Ayadi, S., Abderrabba, M.

Étude DFT des réactions d'hydrogénation des cyclohexènes disubstitués en position 2 et 3

(2010) *Canadian Journal of Chemistry*, 88 (7), pp. 613-621.

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Bachrouch, O., Jemâa, J.M.B., Talou, T., Marzouk, B., Abderraba, M.

Fumigant toxicity of *Pistacia lentiscus* essential oil against *Tribolium castaneum* and

Lasioderma serricorne

(2010) Bulletin of Insectology, 63 (1), pp. 129-135.

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Mediouni-Ben Jemâa, J., Bachrouch, O., Marzouk, B., Abderrabba, M.

Fumigant toxicity of essential oil from pistacia lentiscus L. (Anacardiaceae) against stored-product insects

(2010) Acta Horticulturae, 853, pp. 397-402.

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Ellouze, I., Debbabi, H., Jamoussi, B., Jribi, C., Abderrebba, M.

Study of composition variation of different distillate fractions of Citrus aurantium L. obtained by steam distillation(2010) Acta Horticulturae, 853, pp. 183-188

Ayadi, S., Abderrabba, M.

Antimicrobial activities of essential oils of Rosmarinus officinalis from Tunisia, depending on location and seasonal variations

(2010) Acta Horticulturae, 853, pp. 351-356.

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Essalah, K., Sanhoury, M.A., Ben Dhia, M.T., Abderrabba, M., Khaddar, M.R.

Tin tetrachloride adducts with phosphoryl ligands: A DFT study

(2010) Journal of Molecular Structure: THEOCHEM, 942 (1-3), pp. 110-114. Cited 2 times.

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Haj Ammar, A., Zagrouba, F., Romdhane, M., Abderrabba, M.

Extraction of myrtle (Myrtus communis L.) essential oil from Tunisia by hydrodistillation [Extraction de l'huile essentielle de myrte (Myrtus communis L.) provenant de la Tunisie par hydrodistillation]

(2010) Acta Horticulturae, 853, pp. 241-250.

37

Ennajar, M., Bouajila, J., Lebrihi, A., Mathieu, F., Savagnac, A., Abderraba, M., Raies, A., Romdhane, M.

The influence of organ, season and drying method on chemical composition and antioxidant and antimicrobial activities of Juniperus phoenicea L. essential oils

(2010) Journal of the Science of Food and Agriculture, 90 (3), pp. 462-470.

Noubigh, A., Mgaidi, A., Abderrabba, M.

Temperature effect on the distribution of some phenolic compounds: An experimental measurement of 1-octanol/water partition coefficients

(2010) *Journal of Chemical and Engineering Data*, 55 (1), pp. 488-491.

39

Ben Salah, M., Abderraba, M., Tarhouni, M.R., Abdelmelek, H.

Effects of ultraviolet radiation on the kinetics of in vitro percutaneous absorption of lavender oil

(2009) *International Journal of Pharmaceutics*, 382 (1-2), pp. 33-38.

40

Ennajar, M., Bouajila, J., Lebrihi, A., Mathieu, F., Abderraba, M., Raies, A., Romdhane, M.

Chemical composition and antimicrobial and antioxidant activities of essential oils and various extracts of *juniperus phoenicea* l. (Cupressacees)

(2009) *Journal of Food Science*, 74 (7), pp. M364-M371.

41

Miyamae, Y., Villareal, M.O., Abdrabbah, M.B., Isoda, H., Shigemori, H.

Hirseins A and B, daphnane diterpenoids from *Thymelaea hirsuta* that inhibit melanogenesis in B16 melanoma cells

(2009) *Journal of Natural Products*, 72 (5), pp. 938-941.

42

Noubigh, A., Abderrabba, M., Provost, E.

Salt addition effect on partition coefficient of some phenolic compounds constituents of olive mill wastewater in 1-octanol-water system at 298.15 K

(2009) *Journal of the Iranian Chemical Society*, 6 (1), pp. 168-176.

43

Hayouni, E.A., Bouix, M., Abedrabba, M., Leveau, J.-Y., Hamdi, M.

Mechanism of action of *Melaleuca armillaris* (Sol. Ex Gaertn) Sm. essential oil on six LAB strains as assessed by multiparametric flow cytometry and automated microtiter-based assay

(2008) *Food Chemistry*, 111 (3), pp. 707-718.

44

Elfekih, S., Abderrabba, M.A.

Effect of *Myrtus communis* essential oil on the Mediterranean fruit mating behaviour

(2008) *Biosciences Biotechnology Research Asia*, 5 (2), pp. 537-540.

45

Noubigh, A., Cherif, M., Provost, E., Abderrabba, M.

Solubility of some phenolic compounds in aqueous alkali metal nitrate solutions from (293.15 to 318.15) K

(2008) *Journal of Chemical Thermodynamics*, 40 (11), pp. 1612-1616.

46

Hayouni, E.A., Chraief, I., Abedrabba, M., Bouix, M., Leveau, J.-Y., Mohammed, H., Hamdi, M.

Tunisian *Salvia officinalis* L. and *Schinus molle* L. essential oils: Their chemical compositions and their preservative effects against *Salmonella* inoculated in minced beef meat

(2008) *International Journal of Food Microbiology*, 125 (3), pp. 242-251.

47

Dhouib, A., Minot, C., Abderraba, M.

A DFT study of the hydration of monophosphate complexes of iron (III), $Fe_3 + (H_2 PO_4^-)$ $(H_2 O)_5$

(2008) *Journal of Molecular Structure: THEOCHEM*, 860 (1-3), pp. 161-166

48

Noubigh, A., Cherif, M., Provost, E., Abderrabba, M.

Solubility of gallic acid, vanillin, syringic acid, and protocatechuic acid in aqueous sulfate solutions from (293.15 to 318.15) K

(2008) *Journal of Chemical and Engineering Data*, 53 (7), pp. 1675-1678.

49

Ayadi, S., Abderrabba, M.

Theoretical study of normal and inverse electron demand cycloaddition reactions between cyclohexadiene and 2-aryl-4,6-dinitrobenzotriazole 1-oxides

(2008) *Russian Journal of Physical Chemistry A*, 82 (7), pp. 1080-1085.

50

Achak, N., Romane, A., Abbad, A., Ennajar, M., Romdhane, M., Abderrabba, A.
Essential oil composition of *Juniperus Phoenicea* from Morocco and Tunisia
(2008) *Journal of Essential Oil-Bearing Plants*, 11 (2), pp. 137-142.

51

Ayadi, S., Essalah, K., Krichane, S., Abderrabba, M.
Theoretical study of the heterocyclic molecules reactivity in the normal electron demand
Diels-Alder reaction
(2008) *Oriental Journal of Chemistry*, 24 (1), pp. 121-128.

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Alatrache, A., Jamoussi, B., Tarhouni, R., Abderrabba, M.
Analysis of the essential oil of *Lavandula latifolia* from Tunisia
(2007) *Journal of Essential Oil-Bearing Plants*, 10 (6), pp. 446-452.

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Hayouni, E.A., Abderrabba, M., Bouix, M., Hamdi, M.
The effects of solvents and extraction method on the phenolic contents and biological
activities in vitro of Tunisian *Quercus coccifera* L. and *Juniperus phoenicea* L. fruit extracts
(2007) *Food Chemistry*, 105 (3), pp. 1126-1134.

54

Ben Messaouda, M., Moussa, F., Tangour, B., Szwarc, H., Abderrabba, M.
Addition of bio-organic compounds on C 60: A semi-empirical investigation of its reactivity
with glycine
(2007) *Journal of Molecular Structure: THEOCHEM*, 809 (1-3), pp. 153-159.

55

Ayadi, S., Abderrabba, M.
Density functional theory (DFT) study of Diels-Alder type of cycloaddition reactions on 4-
aza-6-nitrobenzofuroxane [Étude DFT des réactions de cycloaddition de type Diels-Alder sur
le 4-aza-6-nitrobenzofuroxane]
(2007) *Canadian Journal of Chemistry*, 85 (5), pp. 331-335.

Noubigh, A., Mgaidi, A., Abderrabba, M., Provost, E., Fürst, W.

Effect of salts on the solubility of phenolic compounds: Experimental measurements and modelling

(2007) *Journal of the Science of Food and Agriculture*, 87 (5), pp. 783-788.

Document Type: Article

Noubigh, A., Abderrabba, M., Provost, E.

Temperature and salt addition effects on the solubility behaviour of some phenolic compounds in water

(2007) *Journal of Chemical Thermodynamics*, 39 (2), pp. 297-303.

Jamoussi, B., Kanzari, F., Hassine, B.B., Abderrabba, A.

Using Bezier curves for the calculation of retention indices of polycyclic aromatic hydrocarbons in the so-called Lee's scale in temperature-programmed gas chromatography with mass spectrometry detection

(2007) *Journal of Chromatographic Science*, 45 (1), pp. 22-27.

Ayadi, S., Essalah, K., Abderrabba, M.

Theoretical study of Diels-Alder reactions between cyclopentadiene and 2-aryl-4,6-dinitrobenzotriazole 1-oxides

(2006) *Russian Journal of Physical Chemistry A*, 80 (1 SUPPL.), pp. S102-S106.

Fellah, S., Diouf, P.N., Petrisans, M., Perrin, D., Romdhane, M., Abderrabba, M.

Chemical composition and antioxidant properties of *Salvia officinalis* L. Oil from two culture sites in tunisia

(2006) *Journal of Essential Oil Research*, 18 (5), pp. 553-556.

Fellah, S., Romdhane, M., Abderraba, M.

Extraction and study of essential oil of *Salvia officinalis* from Tunis (Tunisia)

(2005) *Biosciences Biotechnology Research Asia*, 3 (2), pp. 163-170.

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Sameh, A., Dorra, B.S., Abderrazek, H., Manef, A.

A bacteriological study of the *Thymus capitatus* essential oil of Tunisia

(2005) *Biosciences Biotechnology Research Asia*, 3 (1), pp. 39-41.

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Jamoussi, B., Romdhane, M., Abderraba, A., Hassine, B.B., EL Gadri, A.

Effect of harvest time on the yield and composition of Tunisian myrtle oils

(2005) *Flavour and Fragrance Journal*, 20 (3), pp. 274-277.

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Dhouib, A., Essalah, K., Tangour, B., Abderrabba, M.

A DFT study of monophosphate complexes of iron (III) $\text{Fe}(\text{H}_2\text{PO}_4)(\text{H}_2\text{O})_m^{2+}$ ($m=3, 4, 5$)

(2005) *Journal of Molecular Structure: THEOCHEM*, 715 (1-3), pp. 125-131.

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Hedhili, L., Romdhane, M., Planche, H., Abderrabba, M.

Towards gas chromatography-mass spectrometry coupling protocols for both identifying and

quantification essential oils of *Thymus capitatus* Hoff et Link

(2005) *Journal of Chromatography A*, 1064 (1), pp. 129-134.

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Jamoussi, B., Bedoui, A., Hassine, B.B., Abderraba, A.

Analyses of phenolic compounds occurring in olive oil mill wastewaters by GC-MS

(2005) *Toxicological and Environmental Chemistry*, 87 (1), pp. 45-53.

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Boulabiar, A., Bouraoui, K., Chastrette, M., Abderrabba, M.

A historical analysis of the Daniell cell and electrochemistry teaching in French and Tunisian textbooks

(2004) *Journal of Chemical Education*, 81 (5), pp. 754-757.

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Dhouib, A., Essalah, K., Tangour, B., Abderraba, M.

Gyrosopic tensor ab initio calculation of the molecular crystals: $(\text{Mo } 6X \text{ } 14) \text{ } 2\text{-}Y \text{ } \text{-(TTF } +) \text{ } 3$
(X = Br, Cl and γ = Br, Cl, I)

(2002) International Journal of Quantum Chemistry, 87 (4), pp. 220-224.

69

Cherif, M., Mgaidi, A., Ammar, M.N., Abderrabba, M., Fürst, W.

Representation of VLE and liquid phase composition with an electrolyte model: Application to H₃PO₄-H₂O and H₂SO₄-H₂O

(2002) Fluid Phase Equilibria, 194-197, pp. 729-738.

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Hedhili, L., Romdhane, M., Abderrabba, A., Planche, H., Cherif, I.

Composition of the essential oil of *Nepeta persica* Boiss from Iran

(2002) Flavour and Fragrance Journal, 17 (1),

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Cherif, M., Mgaidi, A., Ammar, M.N., Abderrabba, M., Fürst, W.

Modelling of the equilibrium properties of the system H₃PO₄-H₂O: Representation of VLE and liquid phase composition

(2000) Fluid Phase Equilibria, 175 (1-2), pp. 197-212.

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Ducasse, L., Abderrabba, M., Gallois, B., Chasseau, D.

Influence of temperature on the band structures of (TMTSF)₂X and (TMTTF)₂X (X = Tetrahedral anion).

(1987) Synthetic Metals, 19 (1-3), pp. 327-332.

73

Gallois, B., Gaultier, J., Lamcharfi, T., Bechtel, F., Filhol, A., Ducasse, L., Abderrabba, M.

Crystallographic structures of (TMTSF)₂PF₆ under constraint: evidence of a change in the electronic structure

(1987) Synthetic Metals, 19 (1-3), pp. 321-326.

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Gallois, B., Gaultier, J., Ducasse, L., Abderrabba, M.

Pressure & temperature dependence of the crystallographic structures of (TMTCF)₂X salts: A change in the band structure under constraint

(1986) *Physica B+C*, 143 (1-3), pp. 474-478.

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Ducasse, L., Abderrabba, M., Gallois, B.

Temperature dependence of the Fermi surface topography in the (TOTSF) ₂X and (TMTTF) ₂X families

(1985) *Journal of Physics C: Solid State Physics*, 18 (29), pp. L947-L951.