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Professeur Habilité et Directeur de l'Equipe de Recherche « Chimie Analytique & Environnement »

AXES DE RECHERCHES

- ◆ Traitement des eaux usées : Décoloration, Défluoruration, Analyses des oxyhalogénures,...
- ◆ Catalyse hétérogène en synthèse organique
- ◆ Analyse et détermination des substances organiques & inorganiques par Chromatographie en phase liquide (CPL) & Electrophorèse capillaire (EC)
- ◆ Séparation énantiomérique de composés organiques par CPL et EC

RAPPORTEUR D'ARTICLES AUX JOURNAUX SCIENTIFIQUES

- ◆ Desalination (Elsevier)
- ◆ Arabian Journal of Chemistry (Elsevier)
- ◆ Journal of Hazardous Materials (Elsevier)
- ◆ Desalination & Water treatment (Francis & Taylor)
- ◆ Journal of the Association of Arab Universities for Basic and Applied Sciences (Elsevier)
- ◆ Journal of Membrane & Separation Technology
- ◆ Journal of Materials & Environmental Science (Université Mohamed 1^{er}, Maroc)
- ◆ Analytical Letters (Francis & Taylor)
- ◆ Journal of Chemical Engineering & Materials Science (Academic Journals)

PUBLICATIONS SCIENTIFIQUES

P1. M. El Haddad, R. Slimani, I. El Ouahabi, F. Abidi, A. Regti, R. Laamari, S. El Antri, S. Lazar
Calcined eggshells as a new biosorbent to remove basic dye from aqueous solutions: Thermodynamics, kinetics, isotherms and error analysis. *Journal of the Taiwan Institute of Chemical Engineers* (2013) sous presse.

P2. N. ElBaraka, N. Saffaj, R. Mamouni, A. Laknifli, S. AlamiYounssi, A. Albizane, M. El Haddad
Elaboration of a new flat membrane support from Moroccan clay. *Desalination and Water treatment* (2013) sous presse. <http://dx.doi.org/10.1080/19443994.2013.797542>

P3. M. El Haddad, A. Regti, R. Slimani, S. Lazar
Assessment of the biosorption kinetic and thermodynamic for the removal of safranin dye from aqueous solutions using calcined mussel shells. *Journal of Industrial and Engineering Chemistry* (2013) sous presse. <http://dx.doi.org/10.1016/j.jiec.2013.05.038>

P4. M. El Haddad, A. Regti, R. Laamari, R. Slimani, R. Mamouni, S. El Antri, S. Lazar
Calcined mussel shells as a new and eco-friendly biosorbent to remove textile dyes from aqueous solutions. *Journal of the Taiwan Institute of Chemical Engineers* (2013) sous presse. <http://dx.doi.org/10.1016/j.jtice.2013.05.002>

P5. M. El Haddad, R. Slimani, R. Mamouni, S. ElAntri, S. Lazar
Removal of two textile dyes from aqueous solutions onto calcined bones. *Journal of the Association of Arab Universities for Basic and Applied Sciences* (2013) 14, 51-59.

- P6.** R. Azzallou, R. Mamouni, K. Stieglitz, N. Saffaj, M. El Haddad, S. Lazar
Al-pillared Ghassoulite Clay as a New Green Catalyst for the Synthesis of Benzothiazoles and Benzimidazoles: Effect of amine/CEC ratio. *International Journal of Organic Chemistry* (2013) 3, 151-157.
- P7.** Y. Riadi, Y. Abrouki, S. ElAntri, R. Mamouni, M. El Haddad, S. Routier, G. Guillaumet, S. Lazar
Efficient Synthesis of a 2-amino-4*H*-chromene Library by Multi-Component Condensation Catalyzed by Animal Bone Meal (ABM) in Water. *International Journal of Chemistry* (2013) 34, 1152-1156.
- P8.** M. El Haddad, R. Slimani, R. Mamouni, R. Laamari, S. Rafqah, S. Lazar
Evaluation of potential capability of calcined bones on the adsorptive removal efficiency of safranin as cationic dye from aqueous solutions. *Journal of the Taiwan Institute of Chemical Engineers* (2013) 44, 13-18.
- P9.** M. El Haddad, R. Mamouni, N. Saffaj, S. Lazar
Evaluation of Performance of animal bone meal as a new low cost adsorbent for the removal of a cationic dye Rhodamine B from aqueous solutions.
Journal of Saudi Chemical Society (2012) sous presse. <http://dx.doi.org/10.1016/j.jscs.2012.08.005>
- P10.** M. El Haddad, M. Ridaoui, R. Mamouni, S. Lazar
Rapid simultaneous analysis of oxyhalides and inorganic anions in aqueous media by ion exchange chromatography with indirect UV detection. *Journal of Saudi Chemical Society* (2012) sous presse. <http://doi:10.1016/j.jscs.2011.12.027>
- P11.** Y. Riadi, R. Mamouni, M. El Haddad, S. Routier, G. Guillaumet, S. Lazar
New Eco-Friendly Animal Bone Meal Catalysts for Preparation of Chalcones and Aza-Michael Adducts. *Chemistry Central Journal* (2012) 6 (60) 1-7.
- P12.** M. El Haddad, R. Mamouni, N. Saffaj, S. Lazar
Removal of a cationic dye - Basic Red 12 - from aqueous solution by adsorption onto animal bone meal. *Journal of the Association of Arab Universities for Basic and Applied Sciences* (2012) 12, 48-54.
- P13.** M. El Haddad, R. Slimani, R. Mamouni, N. Saffaj, M. Ridaoui, S. Lazar
Adsorptive removal of a cationic dye - Basic Red 46 - from aqueous solutions using animal bone meal. *Journal of Engineering Studies & Research* (2012) 18 (3) 43-52.
- P14.** M. El Haddad
Kinetic and thermodynamic studies on the adsorption behavior of Rhodamine B dye onto animal bone meal. *Journal of Chemical Engineering & Materials Science* (2012) 3 (3) 38-44.
- P15.** M. El Haddad, R. Mamouni, R. Slimani, N. Saffaj, M. Ridaoui, S. ElAntri, S. Lazar
Adsorptive removal of Reactive Yellow 84 dye from aqueous solutions onto animal bone meal. *Journal of Materials & Environmental Science* (2012) 3 (6) 1019-1026.
- P16.** N. El Baraka, N. Saffaj, R. Mamouni, S. Alami Younssi, A. Laknifli, M. El Haddad
Removal of indigo carmine and heavy metals by ultrafiltration ceramic membrane. *Journal of Environmental Solutions* (2012) 1 (2) 23-30.
- P17.** Z. Barhon, N. Saffaj, A. Albizane, M. Azzi, R. Mamouni, M. El Haddad
Effect of Modification of Zirconium Phosphate by Silver on Photodegradation of Methylene Blue. *Journal of Materials & Environmental Science* (2012) 3 (5) 879-884.
- P18.** Y. Riadi, R. Mamouni, R. Azzalou, M. El Haddad, S. Routier, G. Guillaumet, S. Lazar
An efficient and reusable heterogeneous catalyst Animal Bone Meal for facile synthesis of benzimidazoles, benzoxazoles and benzothiazoles. *Tetrahedron Letters* (2011) 52, 3492-3495.
- P19.** M. El Haddad, R. Boulahjar, R. Slimani, M. C. Viaud-Massuard, S. El Antri, S. Lazar
Study of mechanism retention of no-volatile alkylphosphonic acids on unmodified selected polymer-based ion exchanger columns. *Journal of Analytical Chemistry* (2011) 66 (6) 586-590.
- P20.** R. Slimani, A. Anouzla, Y. Abrouki, S. El Antri, R. Mamouni, S. Lazar, M. El Haddad
Removal of a cationic dye -Methylene Blue- from aqueous media by the use of animal bone meal as a new low cost adsorbent. *Journal of Materials & Environmental Science* (2011) 2 (1) 77-87.

- P21.** R. Azzallou, R. Mamouni, M. El Haddad, M.C. Viaud-Massuad, G. Guillaumet, S. Lazar
Optimization of the synthesis of 2-substituted benzimidazoles catalyzed by Al-PILC under microwave irradiation. *Revista de Chimie* (2011) 62 (2) 179-182.
- P22.** Y. Riadi, R. Mamouni, R. Boulahjar, M. El Haddad, S. Routier, G. Guillaumet, S. Lazar
Animal bone meal as an efficient catalyst for crossed-aldol condensation. *Tetrahedron Letters* (2010) 51, 6715-6717.
- P23.** R. Mamouni, Y. Riadi, Y. Abrouki, M. El Haddad, N. Saffaj, S. El Antri, S. Routier, G. Guillaumet, S. Lazar
First Animal Bone Meal (ABM) as a new catalyst in thia-Michael addition. *Letters Organic Chemistry* (2010) 7 (3) 269-271.
- P24.** R. Azzallou, R. Mamouni, Y. Riadi, M. El Haddad, Y. El Mouzdahir, R. Mahboub, A. Elmchaouri, S. Lazar, G. Guillaumet
A mild and efficient one-pot synthesis of 2-substituted benzimidazoles through a new surfactant-modified Moroccan clay catalyst. *Revista de Chimie* (2010) 61 (12) 1155-1157.
- P25.** M. El Haddad, M. Khouili, S. Lazar
Enantiomeric control purity of benzo- and pyrido-1,4-dioxane derivatives by chiral chromatography and capillary electrophoresis. *Technologies de Laboratoires* (2010) 5 (19) 16-22.
- P26.** Y. Riadi, M. El Haddad, R. Mamouni, Y. Ramli, M. Akssira, S. El Antri, S. Lazar
Determination of kinetics degradation and mobility of dithiocarbamates fungicides in aqueous media and in Moroccan soil. *Scientific Study & Research: Chemistry & Chemical Engineering* (2010) 11 (2) 289-297.
- P27.** M. El Haddad, R. Slimani, R. Mamouni, S. El Antri, S. Lazar
Performances of evaporative light scattering detector for unmodified cyclodextrins analysis by liquid chromatography. *Journal of Materials & Environmental Science* (2010) 1 (3) 151-156.
- P28.** M. El Haddad, R. Boulahjar, R. Slimani, M. Akssira, M. Dreux, S. El Antri, S. Lazar
Effects of drift tube and nebulising gas temperatures on the response of Evaporative Light Scattering Detector. *Analytical Letters* (2009) 42, 1310-1320.
- P29.** M. El Haddad, S. Lazar
Application du détecteur évaporatif à diffusion de la lumière en chromatographie en phase liquide. *Technologies de Laboratoires* (2009) 13, 19-25.
- P30.** I. El Ammari, M. Adib, A. Aboukas, A. Hafid, M. El Haddad, S. Lazar, M. Khouili
Synthesis of new derivatives of 4,5-dihydro-1H-pyrazole via 4-Allyl-2-methoxyphenol (Regioisomeric study). *Journal Marocain de Chimie Hétérocyclique* (2009) 8 (1) 28-34.
- P31.** M. Slimani, S. El Antri, M. El Haddad, H. Barré, T. Fachtali
A possible interaction between catecholamine and glucagon to induced thermogenesis in duckling (carina moschata) : A HPLC study. *Scientific Study & Research: Chemistry & Chemical Engineering* (2007) 8 (1) 289-296.
- P32.** R. Mamouni, M. El Haddad, M. Akssira
Synthesis of 3-tert-butoxycarbonylamino-pyridine-2-carboxylic Acid MethylEster. *Molbank* (2007) M545.
- P33.** R. Mamouni, M. El Haddad, M. Akssira
Synthesis of 3-tert-butoxycarbonylamino-pyridine-2-carboxylic Acid. *Molbank* (2007) M546.
- P34.** M. El Haddad, S. Lazar
Analyse et détermination des anions et des cations inorganiques en milieux aqueux par électrophorèse capillaire de zone. *Technologies de Laboratoires* (2007) 4, 12-15.
- P35.** M. El Haddad, R. Boulahjar, R. Mamouni, S. El Antri, M. Akssira, S. Lazar
Analyse et détermination des halogénures et des oxyhalogénures par chromatographie d'échange d'ions avec UV-Indirecte comme système de détection. *Scientific Study & Research: Chemistry & Chemical Engineering* (2007) 8 (1), 3-12.

- P36.** M. El Haddad, R. Mamouni, T. Fechtali, S. Lazar, S. El Antri, M. Khouili
Synthèse énantiosélective de dérivés 2,3-dihydro-1,4-benzodioxinique et contrôle de la pureté énantiomérique par chromatographie chirale. *Journal Marocain de Chimie Hétérocyclique* (2006) 5 (1) 1-10.
- P37.** M. El Haddad, R. Boulahjar, S. El Antri, S. Lazar, M. Akssira, M. Dreux
Modulation of separation selectivity of inorganic anions in ion exchange chromatography by the use of unmodified polymer-based anion exchangers. *Physical & Chemical News* (2006) 29, 112-123.
- P38.** M. El Haddad, R. Boulahjar, R. Mamouni, S. El Antri, M. Akssira, M. Dreux, S. Lazar
Isocratic and gradient conditions for inorganic cations analysis by realization *on-line* coupling of ion exchange chromatography with evaporative light scattering detector. *Scientific Study & Research: Chemistry & Chemical Engineering* (2005) 6 (2) 145-154.
- P39.** M. Soukri, S. Lazar, M. El Haddad, M. Akssira, J. M. Leger, C. Jarry, G. Guillaumet
Enantioselective synthesis of 2 and 3-substituted-2,3-dihydro[1,4]dioxino[2,3-*b*]pyridine derivatives and enantiomer control purity by capillary electrophoresis. *Chirality* (2005) 17, 30-39.
- P40.** M. El Haddad, R. Mamouni, S. Lazar, A. El Hakmaoui, M. Akssira, G. Guillaumet
A convenient synthesis of regioisomeric pyrazolopyrimidine and pyrazolooxazine derivatives. *Journal Marocain de Chimie Hétérocyclique* (2004) 3, 8-14.
- P41.** M. El Haddad, R. Mamouni, S. El Antri, M. Akssira, M. Dreux, S. Lazar
New approach analysis of inorganic anions by ion exchange chromatography with evaporative light scattering detector. *Journal of Liquid Chromatography & Related Technologies* (2003) 26, 3115-3126.
- P42.** M. El Haddad, S. Lazar, M. N. Benchakroun, S. El Antri, M. Akssira, M. Dreux
Comparative study of based-silica and based-polymeric supports for mechanism retention of two glucosinolates and inorganic anions by CPL-ELSD. *Journal of Liquid Chromatography & Related Technologies* (2003) 26, 751-761.
- P43.** M. El Haddad, S. Lazar, M. Akssira, M. Dreux
Isocratic conditions for inorganic anions analysis by ion exchange chromatography (IEC) with evaporative light scattering detector. *Journal of Separation Science* (2002) 25, 23-28.
- P44.** M. El Haddad, M. Akssira
Preparation of 6-Methyl-1,3-diphenylpyrazolo[3,4-*d*]oxazin-4-one. *Molecules* (2001) 6, M271.
- P45.** M. El Haddad, M. Akssira
Preparation of 5-Methyl-1,3-diphenylpyrazolo[4,3-*d*]oxazin-7-one. *Molecules* (2001) 6, M272.
- P46.** M. El Haddad, F. Mouchère, C. Elfakir, M. Dreux
Conditions for rapid determination of inorganic cations in water with cation exchange chromatography and evaporative light scattering detector. *Journal of Separation Science* (2001) 24, 669-673.
- P47.** M. El Haddad, F. Mouchère, C. Elfakir, M. Dreux
Determination of inorganic anions and cations by ion exchange chromatography with an evaporative light scattering detector. *Journal of Chromatography A* (2001) 914, 167-173.
- P48.** J-P. Mercier, C. Elfakir, M. Dreux, S. Lazar, M. El Haddad, M. Akssira.
Analysis of methyl and ethylphosphonic acids in aqueous media by anion exchange chromatography using ELS Detection. *Journal of Liquid Chromatography & Related Technologies* (2000) 23, 2345-2359.
- P49.** M. El Haddad, M. Soukri, S. Lazar, A. Bennamara, G. Guillaumet, M. Akssira
A convenient synthesis of the pyrazolo[3,4-*d*]pyrimidine-4,6-diones and pyrazolo[4,3-*d*]pyrimidine-5,7-diones derivatives. *Journal of Heterocyclic Chemistry* (2000) 37, 1247-1252.
- P50.** M. El Haddad, S. Lazar, B. Herbreteau, M. Lafosse, M. Akssira, M. Dreux
Interest of photometric detection in liquid chromatography for determination of main inorganic anions in water samples. *Analisis* (1999) 27, 882-884.

BREVETS D'INVENTION

BI1. M. El Haddad, R. Laamari, A. Regti, M. El Qobry, R. Slimani, S. ElAntri, S. Lazar, R. Mamouni, N. Saffaj.

Elaboration d'un procédé d'élimination des fluorures contenus dans les solutions aqueuses par biosorption.
Brevet OMPIC (2013) Dépôt N°35836.

BI2. N. El Baraka, N. Saffaj, R. Mamouni, M. El Haddad, A. Laknifli, S. Alami, A. Albizane
Elaboration des bio-soutiens membranaires à base d'os animal pour le traitement des eaux usées.
Brevet OMPIC (2013) Dépôt N°xxx, Cl. Internationale: B01D61/14; B01D69/10; B01D71/06; C02F1/00.

BI3. S. ElAntri, R. Slimani, Y. Riadi, M. El Haddad, T. Fechtali, S. Lazar
Les Patelles : Nouveau support catalytique en synthèse organique hétérogène solide-liquide et sa nouvelle application comme adsorbant des colorants de textiles.
Brevet OMPIC (01/10/2012) Dépôt N°33357, MA 33622 B1, Cl. Internationale : B01J 20/00; B01D 15/00.

BI4. S. ElAntri, S. Lazar, Y. Riadi, R. Slimani, M. El Haddad, A. Hmeyene
Les coquillages des moules: Nouveau support d'adsorption solide pour la décoloration des rejets d'industrie de textile et son nouvelle application comme catalyseur en synthèse organique hétérogène solide-liquide.
Brevet OMPIC (01/10/2012) Dépôt N°33358, MA 33623 B1, Cl. Internationale : B01J 20/00; C02F 1/28; B01D 15/00.

BI5. S. ElAntri, Y. Riadi, R. Slimani, R. Mamouni, M. El Haddad, S. Lazar
La farine des coquilles d'œuf : Nouveau support catalytique en synthèse organique hétérogène et sa nouvelle application comme adsorbant des colorants de textiles.
Brevet OMPIC (01/10/2012) Dépôt N°33359, MA 33624 B1, Cl. Internationale : C02F 1/28; B01J 20/00.

BI6. S. ElAntri, R. Slimani, R. Mamouni, Y. Riadi, A. Ouasif, M. El Haddad, N. Saffaj, S. Lazar
L'Os : Nouveau support catalytique en synthèse organique hétérogène solide-liquide et sa nouvelle application comme adsorbant des colorants de textiles.
Brevet OMPIC (01/12/2011) Dépôt N°32343, MA 32845 B1, Cl. Internationale : B01J 37/00; B01J 21/00; B01J 23/00.

DISTINCTIONS

◆ Top 10 Cited Authors for 2011-2012 (Tetrahedron Letters, Elsevier)

Y. Riadi, R. Mamouni, R. Azzallou, M. El Haddad, S. Routier, G. Guillaumet, S. Lazar

An efficient and reusable heterogeneous catalyst Animal Bone Meal for facile synthesis of benzimidazoles, benzoxazoles, and benzothiazoles. *Tetrahedron Letters*, Volume 52, Issue 27, 2011.

<http://www.journals.elsevier.com/tetrahedron-letters/highlighted-articles/congratulations-authors-top-cited-articles-2011-2012/>.

◆ Top 20 Cited Authors for 2011-2012 (Chemistry Central Journal, BioMed Central Research)

Y. Riadi, R. Mamouni, M. El Haddad, S. Routier, G. Guillaumet, S. Lazar

New Eco-Friendly Animal Bone Meal Catalysts for Preparation of Chalcones and Aza-Michael Adducts. *Chemistry Central Journal*, Volume 6, Issue 6, 2012.

Auteurs de plusieurs communications par affiche et orales dans des manifestations scientifiques nationales et internationales.