

Les publications des années 2012-2013-2014-2015

1- **K. Abderrazek, A. Uheida, M. Seffen, M. Muhammet, N. Frini Srasra, E. Srasra**, ' Photocatalytic degradation of indigo carmine using [Zn_Al] LDH supported on PAN nanofibers, clays minerals international journal of fine particule science' , 2015, vol. 50, no 2, p. 185-197

2- **W. Hamdi, N. Ziadi, Kouakoua. Ernest, M. Seffen**, ' Effect of the soils properties on th sorption capacity of phosphorus and ammonium by alkaline soils of the semi-arid areas'. IOSR Journal of Applied Chemistry (IOSR-JAC) e-ISSN: 2278-5736. volume 8, Issue 5 Ver. I (May. 2015), PP 34-42

3- **W. Hamdi, M. Seffen**, 'Ammonium sorption by soils profile of semi- arid areas, IOSR Journal of Environmental Science', Toxicology and Food Technology (IOSR-. Volume 9), Issue 5 ver. I(May. 2015), PP 133-142

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4- **W. hamdi; A. Kasraoui, M. Seffen** ' Effect of metallic iron in reducing nitrate mobility in alkalizes soils'. 2015 international research journal of engineering and technology (IRJET) volume : 02 issue : 03 | JUNE 2015

5- **A. Kasraoui, A. Moussa, Gh. Ben Ali, M. Seffen**, ' Biosorption of alpacide blue from aqueous solution by lignocellulosic biomass: luffa cylindrica fibres'. environmental science and pollution research, 2015, p 1-9

6- **W. hamdi, J.A Messiga, D. Peslter, N. Zaidi, M. Seffen**, 'Phosphorus isotherms sorption in semi arid soil, international research journal of engineering and technology (IRJET)', volume: 02 issue : 03| june-2015

7- **H. Saghrouni, S. jemni, W. Belgacem, N. Elghoul, L. Beji**, 'Temperature dependent electrical and dielectric properties of a metal/ Dy₂O₃/N-gras (MOS) Structure', materia science in semi conductor processing, 29,(2015) pp. 307-314

8- **D. Salem, R. Hannachi, Y. Gressault, PH. Teulet, L. Beji**, 'radiative properties of argon-helium-nitrogen-carbon-cobalt-nickel-plasma used in CNT synthesis', journal of physics d: applied physics, 2, (2015) 48/6:065202,(12pp)

9- **A. Cherif, S. Jemni, W. Belgacem, N. Elghoul, L. Beji**, 'Temperature dependence on the electrical properties of dysprosium oxide deposited on Pi-Si substrate', Materials Science in semi conductor processing, 29 (2015), pp. 143-149

10- **S. Abidi, H. Sammouda, Rachid Bennacer**, 'Numerical analysis of three coolant heat exchange associated to hybrid Photovoltaic/Thermal solar sensor international journal of energy engineering 2014, 4(3): 45-53 DOI: 10.5923/j.ijee.20140403.01

11- **S. Abidi, H. Sammouda, Rachid Bennacer**, 'Comparison of the Electrical and Thermal Performances of A PV Sensor for Covered and Uncovered with a Glass International Journal of Engineering Research & Technology (IJERT)' ISSN :2278-0181; IJERTV4IS020233? Vol. 4 Issue 02, February- 2015

12- **S. Abidi, H. Sammouda, Rachid Bennacer**, 'The performance of a Heat Exchanger with Wings associated to Solar Photovoltaic Collector', International Journal of Current Engineering and Technology, Vol.5, no.4 (2015)

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1- R. Chargui, H. Sammouda, Effects of different collector's area on the coupling of a thermosiphon collector and a single zone, energy conversion and management 77 (2014) 356-368,

2- H. Jamai, S. Fakhreddine and H. Sammouda, Numerical study of sinusoidal temperature in magneto - convection journal of applied fluid mechanics, vol. 7, no. 3, pp. 493-502, 2014

3- H. Jamai, B. Pateyron, H. Sammouda, M. El Ganaoui, Numerical simulation of vertical bridgman solidification of CdZnTe, Int. J. Simul. multisci. des . optim. 2014, 5, A23,

4- S. Abidi, H. Sammouda, R. Bennacer, Numerical analysis of three coolants heat exchanger associated to hybrid photovoltaic/ thermal solar sensor, international journal of energy engineering 2014,4(3) : 45-53,

5- H. Saghrouni, S. Jomni, W. Belgacem, R. Handaoui, L. Beji, Physical and electrical characteristics of metal/ Dy203/P-GaAs structure physica B : condensed matter, volume 444, 1 july 2014, page 58-64,

6- A. Cherif, S. Jomni, W. Belgacem, R. Hannachi, N. Mliki, L. Beji, Investigation of structural properties, electrical and dielectrical characteristics of Al/Dy203/Porous Si heterostructure, superlattices and microstructures 68 (2014) 76-89,

7- O. Dhibi, A. Ltaief, S. Zghal, A. Bouazizi, Temperature dependence of molecular dynamic arrangement in the vicinity of the glass transition of MEH-PPV : C60 based structures: X ray and impedance pectroscopy analysis, vacuum 99 (2014) 80-88

8- N. Hamdaoui, R. Ajjel, M.B. Salem, M. Gendry, Distribution of barrier heights in metal/n-in AlAs schottky diodes from current-voltage-temperature measurements, materials science in semi conductor processing 437,

9- T. Ben M'barek, L. Robert, H. Sammouda, B. Charrier, J. Orteu, F. Hugot, Effect of acetylation and additive on the tensile properties of wood fiber-high-density polyethylene composite, journal of reinforced plastics and composites, 32(21) 1646-1655, sage journals, 2013,

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1- **A. M. Ben Hamissa, F. Brouers, M. C. Ncibi, M. Seffen**, Kinetic modeling study on methylene blue sorption into agave american fibers : fractal kinetics and regeneration studies; separation science and technology , 48: 1-9, 2013;

2- **Mohammed Lataoui, Mongi Seffen, Bahar Alialbarian, Alexandro Alberto Casazza, Attilio Converti, Patrizia Perego**, Optimisation of phenolics recovery from vitex agnus- castus linn. leaves by high-pressure and temperature extraction; natural product research ; sept 2013; in press
<http://dx.doi.org/10.1080/14786419.20130832>;

3- **Wissem Hamdi, David Pelster, Mongi Seffen**, Phosphorus sorption kinetics in different types of alkaline soils; archives of agronomy and soil science; sept 2013; in press;;
<http://dx.doi.org/10.1080/03650340.2013.830>

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4- **Wissem Hamdi, Faten Gamaoun, David e. Pelster, Mongi Seffen**, Nitrate sorption in an agricultural soil profile; applied and environmental soil science volume 2013, article ID 597824, 6 pages;

5- **H. Saghrouni, A. Missaoui, R. Hannachi, L. Beji**, Investigation of the optical and electrical properties of p-type porous GaAs structure; sperlattices and microstructures 64 (2013) 507-517

6- **A. Cherif, S. Jomni, R. Hannachi, L. Beji** , Electrical investigation of the Al/ porous Si/p +- Si heterojunction; physica B 409 (2013) 10-15

7- H. Saghrouni, R. Hannachi, S. Jomni, L. Beji, Electrical investigation of the au/+ GaAs and Au/n-porous GaAs structures; physical B422 (2013) 64–71

8- Ahlem Cherif, Sami Jomni, Najeh Mliki, Lotfi Beji, Electrical and dielectric characteristics of Al/Dy₂O₃/p-Si heterostructure; physica B429 (2013) 79-84

9- Taoufik Ben Jomaa, Mourad Noiri, Lotfi Beji, Abdelaziz Bouazizi; Electrical characterization and modelin of Au/MEH-PPV/ porous np-GaAs/ np-GaAs heteroinjection in direct and alternating current mode; current applied physics 13 (2013) 1256 e 1263

10- O. Dhibi, S. Zghal, S. Jomni, A. Ltaief, L. Beji, A. Bouazizi; J Surf, Effect of thin gold interlayered on the electrical behavior of ITO/MEH-PPV/AL organic device; interfact mater 1,23-29 (2013)

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12- R. Chergui, H. Sammouda, A. Farhat; Numerical simulation of a cooling tower coupled with heat pump system associated with single house using trnsys, energy conversion and management, 75,(2013), 105-117

13- O. Dhibi, A. Ltaief, S. Zghal, A. Bouazizi. Inverted low band gap polymer solar cells integrated with a low-temperature-annealed sol-gel-derived ZnO active layer thickness effect on the recombination process; superlattices and micristructures 60 (2013) 548-560

1- **R. Chargui, H. Sammouda, A. Farhat**, geothermal heat pump in heating mode: modeling and simulation on trnsys, international journal of refrigeration, 35, (2012) pp. 1824, 32

2- **F. Oueslati, H. Sammouda, R. Bennacer**, analytical and numerical solutions for natural convection in a shallow cavity shear stress action, numerical heat transfer journal, part A, 62, (2012) pp. 605-623

3- **S. Jaballah, H. Sammouda, R. Bennacer**, study of the mixed convection in a channel with porous layers using a thermal nonequilibrium model, journal of porous media, 15(1): (2012), pp. 5162

4- **M. Adala, R. Bennacer, H. Sammouda**, A numerical study of the desalination soil by dry drainage process, journal of porous media, 15(7), (2012), pp. 607-615

5- **A. Cherif, S. Jomni, R. Hannachi, L. Beji**, Electrical investigation of the Al/ porous Si/Pb-Si heterojunction, physica B 409 (2012) pp. 10-15

6- **R. Hannachi, Y. Cressault, D. Salem, PH Teulet, L. Beji, Z. Ben Lakhdhar**, mean absorption coefficient of H₂O-air-MgCl₂/CaCl₂/NaCl thermal plasmas, journal of physics D : applied physics, 45(2012)

7- **O. Dhibi, S. Aghal, S. Jomni, A. Ltaief, L. Beji, A. Bouazizi**, effect of thin gold interlayer on the electrical behavior of ITO/MEH-PPV/Al organic device, journal of surfaces and interfaces of materials vol. 1, (2012), pp. 1-7

8- **M. Derouich**, tensorial depolarization of alkali atoms by isotropic collisions with neutral hydrogen, Astronomy & Astrophysics, A&A 545, A11 (2012)

**Liste des publications pour
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Les Communications 2012-2013-2014-2015 (31 communications en total)

Communications internationales avec actes 2012 : 7 communications en total

1. **Mongi Seffen** : Communication orale “Treatment of textile effluents comparison of performance of MBR to physico-chemical treatment and adsorption on activated carbon “, SOWAEUMED INTERNATIONAL WORKSHOP ITS2WAT-2012 University Cadi Ayyad, Marrakech, Morocco 23-26 May **2012** :
2. **Wissem HAMDI & Mongi SEFFEN** : “Phosphorus Adsorption by Alkaline Soils of the Sahel of Tunisia”. International Workshop Water Cluster Initiative Sousse 22 au 24 Novembre **2012**
3. **H. Bouzid, P. Ayrault, J. Barrault, S. Mongi**: “Valuation of the stigmas of corn in the field of water pollution control”, International Workshop Water Cluster Initiative Sousse 22 - 24 Novembre **2012**.
4. **A. Cherif, L. Beji, et al.** , Inter. Conference on Innovative Materials and Techniques, “Electrical and Dielectrical Characteristics of Al/Dy₂O₃/porous SI/p-Si heterostructure”, Hammamet, Tunisia, 12-15 Novembre **2012**
5. **Hayet Saghrouni, L. Beji, et al.** , Inter. Conference on Innovative Materials and Techniques, “ Dielectric and Physical Properties of Metal / Dy₂ O₃/ GaAs structure”, Hammamet, Tunisia, 12-15 novembre **2012**
6. **R. Chergui, H. Sammouda** , The International Renewable Energy Congress, (IREC **2012**), “Dual Source heat pump modeling and simulation on TRNSYS”, Sousse-Tunisia, 20-22 décembre **2012**
7. **Hawachi, H. Sammouda**, The International Renewable Energy Congress, (IREC **2012**), “Energy Storage using the phase change materials: Application to thermal insulation”, Sousse-Tunisia, 20-22 décembre **2012**.

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8. **Aïcha Menyar Ben Hamissa ; Mongi Seffen ; Attilio Converti ; Patrizia Perego** : “ Synthesis of Bioethanol Starting from Lignocellulosic Biomass : Enzymatic Hydrolysis “ International Symposium on Green Chemistry : Renewable carbon and Eco-efficient processes (ISGC-2) ; May 21st-25th, **2013** La Rochelle (France).

9. **R. Chergui, H. Sammouda**, Journées Internationales de Thermique (JITH2013), “ Simulation numérique d’un thermosiphon solaire associé à une zone simple “, Marrakech, Maroc, 13-15 novembre **2013**.

10. **N. Laajimi, N. Boukadida**, Journées Internationales de Thermique (JITH2013), “Effet d’un simple vitrage sur le comportement thermique d’un local muni d’une structure à isolation variable”, Marrakech, Maroc, 13-15 novembre **2013**.

11. **N. Boukadida**, ‘Atelier Egyptien-Tunisien sur les Energies Renouvelables, ‘ Les Energies Renouvelables en Tunisie’, Egypte, 11-13 juin **2013**,

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12. **Aïcha Menyar Ben Hamissa ; Mongi Seffen ; Attilio Converti ; Patrizia Perego** : “ Valuation of Ligno-cellulosic Biomass in Water Pollution control “au “International Joint Conference CB-WR-MED Conference/ 2n AOP”Tunisia Conference for Sustainable Water Management” ; Gammart 24 au 27 avril **2013** “

13. **Asma Ben Khelifa, Aida Kesraoui Abdessalem And Mongi Seffen**., "Precipitation of metallic hydroxides by alternating current “THE 4RD MAGHREB CONFERENCE ON DESALINATION AND WATER TREATMENT"CMTDE 2013”HAMMAMET, TUNISIA 15-18 décembre, **2013** ;

14. **Tahar Selmi , Aïda Kesraoui et Mongi Seffen**, "Batch sorption of complex metallic dye using activated carbon synthesized from Agave Americana (L)". The International chemical congress on Chemical Engineering 16-19 , **2013** Djerba

15. **S. Abidi, H. Sammouda, R. Bennacer**, The International Symposium on Computational and Experimental Investigation on Fluid Dynamics (CEFD), "Thermal study of a covered and hybrid photovoltaic sensor associated with a heat exchanger", Sfax, Tunisia, 18-20 mars **2013**

16. **H. Saghrouni , S. Jomni , L. Beji** , Nanostructurale nature of the porous GaAs layers made by anodic etching, The second "Euro-Mediterranean Meeting on Functional Materials" Hammamet, TUNISIA, March 24-28, **2013**.

17. **H. Saghrouni , S. Jomni , L. Beji**, Optical properties of *p*-type porous GaAs. The Second International Conference on "Research to Applications & Markets" Sousse, TUNISIA, June 28-30, **2013**.

18. **S. Abidi, H. Sammouda, R. Bennacer**, Journées Tunisiennes des Ecoulements et des Transferts JTET 13, ' Rendement thermique d'un capteur Solaire hybride photovoltaïque', Sousse, Tunisia, 1 -3 décembre **2013**,

19. **A. Ben Mabrouk; A.Kesraoui and M. Seffen**, Valorisation du biomatériau : Phragmites Australis dans la rétention des colorants Métallifères, ST Chimie, 20-22 juin **2013**, Sousse

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20. **H. Saghrouni, S. Jomni, L. Beji**, The Temperature Dependence on the Electrical Properties of Dysprosium Oxide Deposited on n-porous GaAs, InterM2014: 2nd International Multidisciplinary Microscopy and Microanalysis Congress, Oludeniz, Turkey, October 16-19, **2014**.
21. **S. Abidi, H. Sammouda, R. Bennacer**, Comparison of the electrical and thermal performance of PV sensor covered with a glass and uncovered one, World Symposium on mechatronics Engineering & Applied Physics, 18-20 juin , **2014**

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22. **A. Cherif, S. Jemni, W. Belgcem, L. Beji**, The Dielectric properties of Al/Dy₂O₃/p-Si heterostructure, 11^{ème} Colloque National de Recherche en Physique, 20-23 décembre **2014**, Sousse, Tunisie
23. **H. Saghrouni , S. Jomni , W. Belgacem, N. Elghoul, K. Khirouni , L. Beji** : Temperature dependent electrical and dielectric properties of metal/Dy₂O₃/n-GaAs (MOS) structure, International conference on “composite Materials and Renewable Energy Applications Techniques “Sousse, TUNISIA, January 22-24, **2014**.
24. **I. Hawachi, H. Sammouda**, Modeling of mechanical behavior of concretes with organic matrice, 11^{ème} Colloque National de Recherche en Physique, 20-23 décembre **2014**, Sousse, Tunisie

25. T. Ben Aissa, L. BenHamada, Structure Cristalline et Caractérisation Physico-chimique d'un nouveau Sulfate à cation organique, Colloque, STChime, Monastir, 21-23 sept **2014**,

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26. H. Nasri, H. Sammouda, Modeling og hybrid photovoltaic thermal system in Matlab/Simulink , Int. Conf. on Solar Energy and Building (ICSOeB '15) 20-21 january **2015**, Sousse, Tunisia

27. S. Abidi, H. Sammouda, R. Bennacer, Etude d'un capteur Hybride à double vitrage, Int. Conf. on Solar Energy and Building (ICSOeB '15) 20-21 january **2015**, Sousse, Tunisia

28. H. Sammouda, T. BenMbarek, Prediction by Numerical Simulation of the mechanical behaviour structure abutting composite Wood/ plastic WPC , Int. Conf. on Composite Materials and Renewable Energy Applications, ICCMREA '2015, Rome, 23-24 March **2015**.

29. H. Sammouda, Study of production and storage of solar cooling through phase change materials PCM, Application for buildings, onférence on Materials & Energy, May 19-22 , **2015**, Tetouane-Morroco

30. T. Selmi, M. Seffen, H. Sammouda, Kinetics and Modeling od Adsorption process of the methylen blue on activated carbon, World Symposium on Mechatronics Engineering & Applied Physics , 11-13 juin , **2015**

31. D. Salem, R. Hannachi, L. Beji, Net emission coefficients of Carbon-Argon-Azote-Helium-Nickel-Cobalt thermal plasma used in CNT synthesis , World Symposium on Mechatronics Engineering & Applied Physics , 11-13 juin , **2015**