

Résumé succinct du curriculum vitae

Mohand Tazerout

Né le 29 Mai 1954

Ecole des Mines de Nantes

4, rue Alfred Kastler,
44300 Nantes

Tel : 02 51 85 82 74, Email : mohand.tazerout@mines-nantes.fr

Nationalité Belge

Professeur à l'Ecole des Mines de Nantes,
Département Systèmes Energétiques et Environnement

1. Expérience professionnelle

- **Depuis 1997 :** Enseignant-Chercheur à l'Ecole des Mines de Nantes, Département Systèmes Energétiques et Environnement, France.
- **1995-1996 :** Professeur à l'Institut Saint-Luc, Bruxelles, Belgique.
Professeur à l'Institut Supérieur Industriel de Bruxelles, Belgique.
- **1984-1995 :** Enseignant-Chercheur à l'Université Catholique de Louvain, Belgique.
- **1979 -1984 :** Maître assistant à l'Université de Tizi-Ouzou, Algérie.

2. Education et formation

- **2002 : Qualification aux fonctions de Professeur des Universités (62^{ième} section :**
Energétique et Génie des Procédés)
- **2001 : Habilitation à diriger des recherches « Systèmes énergétiques basés sur les moteurs à**
combustion interne » Université de Nantes,
- **1995 : Agrégation de l'enseignement secondaire supérieur en physique (mention bien)**
Université Catholique de Louvain, Faculté des Sciences Appliquées, Belgique.
- **1991 : Doctorat d'état en sciences appliquées,**
Université Catholique de Louvain, Faculté des Sciences Appliquées, Belgique.
- **1986 : Maîtrise en sciences appliquées (mention bien)**
Université Catholique de Louvain, Faculté des Sciences Appliquées, Belgique.
- **1979 : Ingénieur d'état en Génie-Mécanique,** option Energétique (mention T.bien), Institut
national de Génie-Mécanique, Alger, Algérie.

Le 22/11/2017



3. Responsabilités scientifiques et gestion administrative

- Responsable du département génie mécanique, Université de Tizi-Ouzou, Algérie (1982 – 1984)
- Responsable de la refonte de la pédagogie de l'enseignement de la thermodynamique au sein du département TERM Université Catholique de Louvain Belgique (1992 – 1994)
- Responsable de l'équipe de recherches « Energétique des Machines» depuis 1997
- Responsable de l'option « Génie des Systèmes Energétiques » (2002- 2008)
- Responsable de l'axe « Ingénierie de l'Energie» de l'UMR GEPEA CNRS (2008-2010)
- Responsable, fondateur de l'EDED « Ecole Doctorale en Energétique et développement Durable» franco-algérienne (2004-2012)

4. Rayonnement scientifique

- Expert international dans le cadre du programme mobilisateur « Energies Renouvelables », pour le ministère de la recherche de la Région wallonne en Belgique (2004- 2007).
- Collaborateur scientifique auprès du service de Mécanique Appliquée de l'Université Libre de Bruxelles (2002- 2007)
- Expert européen dans le cadre du programme « « promoting sustainable energy production and consumption in North West Europe ». « INTERREG IVB NWE » (2007).
- Expert pour l'AERES (Agence d'Evaluation de la Recherche et de l'Enseignement Supérieur) (2009)
- Reviewer de plusieurs colloques et revues scientifiques internationales,
- Président du comité d'organisation du congrès international cofret à Nantes (2008)

5. Rayonnement académique :

- Nommé professeur d'honneur à l'Université Polytechnique de Bucarest (Roumanie) 2010
- Professeur vacataire à l'Ecole polytechnique de Nantes (1997-2002)
- Professeur vacataire à l'ICAM (Institut Catholique des Arts et Métiers) Nantes depuis 2000,
- Professeur invité à l'Université de Boumerdes Algérie depuis 2004
- Professeur invité à ISTTE Gafsa (Tunisie) 2010

6. Résultats scientifiques

- Plus de 100 Publications dans des revues internationales à comité de lecture
- Plus de 150 Communications scientifiques internationales
- 4 Brevets d'invention (dont 2 internationaux)
- ≈ 50 conférences sur invitation,

Le 22/11/2017



- Plus 40 Directions/co-directions de thèses de Doctorat
- ≈100 directions de mémoires de DEA/Master
- 3 directions HDR (dont 1 en cours)

7. Recherche partenariale

Plusieurs contrats de recherche en partenariat avec des industriels et des institutionnels dont notamment :

- 1997 - 2008 : Veolia-Environnements, 3 contrats (~ 700 k€)
- 1997 - 2002 : GDF SUEZ, 2 contrats (~ 300 k€)
- 2000 - 2004 : PREDIT (~ 550 k€)
- 2006 - 2012 : CPER PREVER (~5000 k€)
- 2007 - 2011 : AERDECO (~450 k€)
- 2008 - 2012 : IWEST (~ 750 k€)
- 2015-- : PYROG (150 k€)
-

8. Collaborations internationales

- Roumanie : Université Polytechnique de Bucarest (UPB), depuis 1998
- Inde : Indian Institute of Technology Madras, 2000 - 2012,
- Belgique :
 - Université Catholique de Louvain (UCL),
 - Université Libre de Bruxelles (ULB)
- Algérie :
 - Université M'Hamed BOUGARA (Boumerdes), depuis 2004
 - Ecole Militaire Polytechnique d'Alger (EMP) depuis 2004
 - Ecole Nationale Supérieure d'Enseignement Technique (Oran) depuis 2004
- Tunisie :
 - Institut Supérieur des Technologie de l'Energie de Gafsa, 2010
 - Institut Supérieur des Technologie de l'Environnement de Tunis, depuis 2005

Le 22/11/2017



Annexes 1 :

Publications scientifiques internationales de rang A

[ACL1]. M. Tazerout ; *Utilisation d'un distributeur rotatif pour la réduction du travail de pompage des moteurs à allumage commandé ;* European Journal of Mechanical Engineering, vol. 35, no. 1, ISSN 0035-3612, pp 13-34, 1990

[ACL2]. G. Mbuyi Kamba, M. Tazerout, J. Patigny, P. Wauters; *Influence de la turbulence sur la mesure de la vitesse d'écoulement d'un fluide au moyen d'anémomètres à moulinet ;* European Journal of Mechanical Engineering, vol. 41, no. 1, ISSN 0035-3612, pp 11-18, 1996

[ACL3]. M. Tazerout, O. Le Corre et S. Rousseau ; *TDC Determination in IC Engines Based on the Thermodynamic Analysis of the Temperature-Entropy Diagram;* Journal of Fuels and Lubricants, Society of Automotive Engineers, section 4, vol. 108, ISBN 0-7680-0695-3, pp 936-945 1999

[ACL4]. M. Tazerout, O. Le Corre et P. Stouffs ; *Compression Ratio and TDC Calibrations Using Temperature - Entropy Diagram Combustion and Emission Formation in SI Engines,* SAE SP-1485, ISBN 0-7680-0492-6, pp 36-46, October 1999

[ACL5]. M. Bereza, O. Le Corre et M. Tazerout
Valorisation du biogaz par moteur à allumage commandé: une approche méthodologique du dimensionnement
Revue Déchets, Sciences & Techniques, ISSN 0753 – 3454, no. 15, pp 24-28, 3^{ième} trimestre 1999

[ACL6]. S. Rousseau, B. Lemoult, M. Tazerout ; *Combustion characterization of natural gas in a lean burn spark-ignition engine;* Journal of Power and Energy, Proc. Inst. Mech. Engrs. vol. 213, Part D, IMechE 1999, pp.°481-489

[ACL7]. I. Bitir, M. Tazerout et O. Le Corre ; *Bilans énergétiques et environnementaux de l'utilisation en cogénération du biogaz issu du traitement des eaux usées urbaines ;* Revue Déchets, Sciences & Techniques, ISSN 0753 – 3454, no. 19, pp 8-12, 3^{ième} trimestre 2000

[ACL8]. E. Zervas et M. Tazerout ; *Organic acids emissions from natural-gas-fed engines;* Journal of Atmospheric Environment, vol./issue 34/23, pp 3921 – 3929, 2000

[ACL9]. M.Tazerout, B. Leduc ; *Détection et contrôle du cliquetis dans les moteurs à gaz de cogénération* European Journal of Mechanical Engineering, vol. 44, no. 4, ISSN 0035-3612, pp. 229-233, 2000

[ACL10]. M. Tazerout, O. Le Corre et A. Ramesh
A New Method to Determine the Start and End of Combustion in an Internal Combustion Engine Using Entropy Changes; Int. J. Applied Thermodynamic, vol. 3, no. 2, ISSN 1301 9724, pp. 49-55, June 2000

[ACL11]. M. Tazerout, B. Lemoult, B. Leduc et O. Le Corre

Le 22/11/2017



Réduction des pertes par pompage dans les moteurs à allumage commandé par un boîtier multi-papillon ; Revue Entropie, ISSN 0013-9084,

- [ACL12].** P Stouffs, **M Tazerout**, P Wauters; *Thermodynamic analysis of reciprocating compressors; Intern. Journal of thermal sciences. vol. 40, pp. 52-66, 2001*
- [ACL13].** R. Dupleac **M.Tazerout**, B. Leduc; *Experimental database for cogeneration gas engine efficiency prediction; Proc. Instn. Mech. Engrs, Journal of power and Energy Part D, IMechE 2001*
- [ACL14].** G. Prakash, A. Ramesh et **M. Tazerout**; Influence of injection timing and load on the performance and combustion characteristics of a biogas diesel dual fuel engine. *Fuels International, Leaf Coppin, 2001*
- [ACL15].** A. Bilcan O. Le Corre **M. Tazerout** and A. Ramesh.; Ignition delay in fuel engines : An extended correlation for gaseous fuels. volume ICE-Vol. 36-1, pages 49--55, 2001. ISBN 0-7918-1669-9.
- [ACL17].** O. Le Corre, G. Brecq et **M. Tazerout**, *Thermoeconomic analysis based on energy structure for CHP, Applied Thermal Engineering, vol. 22, no 5, pp. 561-566, 2002*
- [ACL18].** A. Bilcan, O. Le Corre, **M. Tazerout**, S. Kumar, *Modélisation thermodynamique de la combustion du GPL dans les moteurs Dual-Fuel Entropie, N° 241, pp 13-18, 2002*
- [ACL19].** G. Brecq, J. Bellettre et **M. Tazerout**, *Détection du cliquetis dans les moteurs de cogénération alimentés au gaz naturel, Entropie, no 241, pp 4-10, 2002*
- [ACL20].** Bilcan, O. Le Corre, **M. Tazerout** et A. Ramesh, *Modélisation de la combustion du GPL dans les moteurs dual-fuel, Entropie, no 241, pp 11-18, 2002*
- [ACL21].** O. Le Corre, S. Rousseau, **M. Tazerout** et B. Leduc, *Détermination expérimentale de la loi de combustion dans un moteur de cogénération alimenté au gaz naturel en mélange pauvre, European Journal of Mechanical Engineering, 2002*
- [ACL22].** Pirotais, J. Bellettre, O. Le Corre, **M. Tazerout**, G. De Pelsemaeker et G. Guyonvarch, *A model of energetic interactions between a car engine, the cabin heating system and the electrical system, SAE Transactions - Journal of passenger Cars: Mechanical Systems, vol. 111, part 6, pp. 2127-2138, 2002*
- [ACL23].** C. Rahmouni, G. Brecq, **M. Tazerout** et O. Le Corre, *Knock Rating of Gaseous Fuels in a Single Cylinder Spark Ignition Engine, Fuel, vol. 83, no 3, pp 327-336, 2003*
- [ACL24].** C. Rahmouni, O. Le Corre et **M. Tazerout**, *Online determination of natural gas properties, Comptes Rendus de l'Académie des Sciences (Mécanique), vol. 331, no 8, pp. 545-550, 2003*

Le 22/11/2017



- [ACL25].** C. Rahmouni, **M. Tazerout** et O. Le Corre, *Determination of the Combustion Properties of Natural Gases by Pseudo-constituents*, Fuel, vol. 82, no 11, pp 1399-1409, 2003
- [ACL26].** C. Rahmouni, **M. Tazerout** et O. Le Corre, *A Method to Determine Biogas Composition for Combustion Control*, Society of Automotive Engineers Journal of Fuels and Lubricants, pp. 700-709, 2003
- [ACL27].** E. Minciuc, O. Le Corre et **M. Tazerout**, *Thermodynamic analysis of tri-generation with absorption chilling machine*, Applied Thermal Engineering, vol. 23 no 11, pp. 1391-1405, 2003
- [ACL28].** E. Minciuc, O. Le Corre et **M. Tazerout**, *Fuel savings and CO2 emissions for tri-generation systems*, Applied Thermal Engineering, vol 23, no 11, pp. 1333-1346, 2003
- [ACL29].** G. Brecq, J. Bellettre et **M. Tazerout**, *A new indicator for knock detection in gas SI engines*, Int. J. Therm. Sci., vol. 42, no 5, pp. 523-532, 2003
- [ACL30].** G. Brecq, J. Bellettre, **M. Tazerout** et T. Muller, *Knock prevention of gas SI engine by adjunction of CO2 and N2 to the natural gas fuel*, Applied Thermal Engineering, vol. 23, no 11, pp. 1359-1371, 2003
- [ACL31].** K. Loubar, J. Bellettre et **M. Tazerout**, *Unsteady heat transfer enhancement around an engine cylinder in order to detect knock*. ASME Journal of Heat Transfer, 2005, Vol. 127, N°3, p. 278-286
- [ACL32].** J. Bellettre, E. Ollivier et **M. Tazerout**, *The use of a phase change material within a cylinder wall in order to detect knock in a gas SI engine*. Strojnicki Vestnik, Journal of Mechanical Engineering, 2005, Vol. 51, N°7-8, p. 462-469
- [ACL33].** M. Senthil Kumar, A. Kerihuel, J. Bellettre et **M. Tazerout**, *Experimental investigations on the use of preheated animal fat as fuel in a compression ignition engine*. Renewable Energy, 2005, Vol. 30, N°9, p. 1443-1456
- [ACL34].** A. Kerihuel, M. Senthil Kumar, J. Bellettre et **M. Tazerout**, *Use of animal fats as CI engine fuel by making stable emulsion with water and methanol*. Fuel, 2005, Vol. 84, N°12-13, p. 1713-1716
- [ACL35].** M. Senthil Kumar, A. Kerihuel, J. Bellettre et **M. Tazerout**, *Effect of water and methanol fractions on the performance of a CI engine using animal fat emulsions as fuel*. IMechE Journal of Power and Energy, 2005, Vol. 219, N°7, p. 583-592
- [ACL36].** E. Ollivier, J. Bellettre, **M. Tazerout** et G. Roy, *Detection of knock in gas SI engine from heat transfer analysis*. Energy Conversion & Management, 2006, Vol. 47, N°7-8, p. 879-893
- [ACL37].** M. Senthil Kumar, A. Kerihuel, J. Bellettre et **M. Tazerout**, *A comparative study of different methods of using animal fat as fuel in a compression ignition engine*. ASME Journal of Engineering for Gas Turbines and Power, 2006, Vol. 128, N°4, p. 907-914

Le 22/11/2017]



A. Kerihuel, M. Senthil Kumar, J. Bellettre et **M. Tazerout**, *Ethanol animal fat emulsions as a diesel engine fuel. Part 1: formulations and influential parameters*. Fuel, 2006, Vol. 85, N°17-18, p. 2640-2645

[ACL38]. M. Senthil Kumar, A. Kerihuel, J. Bellettre et **M. Tazerout**, *Ethanol animal fat emulsions as a diesel engine fuel. Part 2: Engine test analysis*. Fuel, 2006, Vol. 85, N°17-18, p. 2646-2652

[ACL39]. K. Loubar, C. Rahmouni, O. Le Corre et **M. Tazerout**, *A combustionless determination method for combustion properties of natural gases* Fuel, 2007, Vol. 86 p 2535–2544

[ACL40]. L. Gerun, M. Praschiv, R. Vijeun, J. Bellettre, **M. Tazerout**, B. Gøbel et U. Henriksen, *Numerical investigation of the partial oxidation in a two-stage downdraft gasifier*. /Fuel/, 2008, N°7, p. 1383-1393

[ACL41]. D. Tarlet, J. Bellettre, **M. Tazerout** et C. Rahmouni, *Prediction of micro-explosion delay of a emulsified fuel droplets*. /International Journal of Thermal Sciences/ (accepté, à paraître)

[ACL42]. R. Vijeun, L. Gerun, **M. Tazerout**, C. Castelain et J. Bellettre, *Dimensional modelling of wood pyrolysis using a nodal approach*, /Fuel/, 2008, Vol. 87, N°15-16, p. 3292-3303

[ACL43]. A. Liazid, L. Izidi et **M. Tazerout**, *Turbocharger Centrifugal Compressor Improvement by Inlet Prewhirl*, /International Review of Mechanical Engineering IREME/, Vol. 2, N° 4, pp. 608-613, 2008,

[ACL44]. Bencherif M., Liazid A., **Tazerout M.**, (2009), *Pollution duality in turbocharged heavy duty diesel engine*, International Journal of Vehicle Design 2009 - Vol. 50, No.1/2/3/4 pp.182 – 195.

[ACL45]. Kumar M.S., Bellettre J., **Tazerout M.**, (2009), *Use of Biofuel emulsions as fuel for diesel engines – A Review*, Journal of the Institute of Mechanical Engineers, Journal of Power and Energy, Vol 223 No A7, pp 729-742.

[ACL46]. Paviet F., Chazarenc F., **Tazerout M.** (2009), *Thermo Chemical Equilibrium Modelling of a Biomass Gasifying Process Using ASPEN PLUS*, International Journal of Chemical Reactor Engineering: Vol. 7, Article 40.

[ACL47]. Tarlet D., Bellettre J., **Tazerout M.**, Rahmouni C., 2009, *Prediction of micro-explosion delay of emulsified fuel droplets*. International Journal of Thermal Sciences, 48, 449-460.

[ACL48]. Tarlet D., Bellettre J., **Tazerout M.**, Rahmouni C., 2009, *Formulation and combustion of emulsified fuel: The changes in emission of carbonaceous residue*, Int. J. Energy Res., 34, 8, 688–694

[ACL49]. Kumar M.S., **Tazerout M.**, Ramesh A., Nagalingam B., (2009), *Investigations on the Use of Orange Oil to improve the Performance of A Jatropha Oil Fuelled Dual fuel Engine*,

Le 22/11/2017



Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy 225 (5), pp.601-613

[ACL50]. Kuncser, R., Paraschiv Maria, **Tazerout M.** and Bellettre, J., "*Liquid fuel recovery through Pyrolysis of Polyethylene Waste*", Environmental Engineering and Management Journal, Vol. 9, No. 10, pp: 1371-1374, 2010.

[ACL51]. Senthil Kumar Masimalai, **Mohand Tazerout**, Pascal Ndayishimiye (2010), *Performance and Emission Studies on a CI Engine Using Methyl Esters of Palm Oil and Waste Cooking Oil Mixture as Fuel*, Journal of Biofuels Vol.1 No.1, January - June, 2010 pp.51-56

[ACL52]. Awad S., Paraschiv Maria, **Tazerout M.**, "*Biodiesel elaboration from municipal fat wastes*", Environmental Engineering and Management Journal, Vol. 9, No. 10, pp. 1347-1350, 2010.

[ACL53]. M Senthilkumar, A Ramesh, B Nagalingam, and **M Tazerout**, *A comprehensive study on performance, emission, and combustion characteristics of a dual-fuel engine fuelled with orange oil and Jatropa oil*, Proc. IMechE Vol. 225 Part A: J. Power and Energy, February 2011, pp 606-613

[ACL54]. Mohand Said Lounici, Khaled Loubar, Mourad Balistrout, **Mohand Tazerout**. *Investigation on heat transfer evaluation for a more efficient two-zone combustion model in the case of natural gas SI engines*. Applied Thermal Engineering, Volume 31, Issues 2-3, 2011, Pages 319-328.

[ACL55]. Ndayishimie P., **Tazerout M.**, *Use of palm oil-based biofuel in the internal combustion engines: Performance and emissions characteristics*. Energy, Vol. 36, Issue 3, pp 1790-1796 ; 2011

[ACL56]. Ramla GHEITH, Fethi ALOUI, **Mohand TAZEROUT**, and SASSI BEN NASRALLAH, "*Experimental investigations of a gamma Stirling engine*. International Journal of Energy Research, Wiley, 2012, 36 (12), pp.1175-1182

[ACL57]. Abed, I. Paraschiv Maria, Khaled , L., Zgrouba, F., **Tazerout M.**, "*Thermogravimetric investigation and thermal conversion kinetics of typical north-african and middle-eastern lignocellulosic waste*", BioResources (IF:), 7(1), pp.1200 – 1220, 2012.

[ACL58]. Tarabet L., Loubar K., Lounici M. S., Hanchi S. and **Tazerout M.**, 2012, *Eucalyptus biodiesel as an alternative to diesel fuel: preparation and tests on DI diesel engine*. Journal of Biomedecine and Biotechnology. Volume 2012, Article ID 235485, 8 pages,

[ACL59]. Edwin Geo Varuvel , Nadia Mrad, **Mohand Tazerout**, Fethi Aloui, *Experimental analysis of biofuel as an alternative fuel for diesel engines*,

Le 22/11/2017



Journal of Applied Energy vol.94 (2012) 224–231

- [ACL60].** Hamza Bousbaa, Awad Sary, **Mohand Tazerout**, Abdelkrim Liazid, *Investigations on a Compression Ignition Engine Using Animal Fats and Vegetable Oil as Fuels*, J. Energy Resour. Technol. -- June 2012 -Volume 134, Issue 2, 022202 (11 pages)
- [ACL61].** Mrad N., Paraschiv Maria, Aloui, F., **Tazerout, M.**, Ben Nasrallah, S., *“Liquid hydrocarbon fuels product by catalytic cracking of fish oil industrial residues”*, International Journal of Energy Research (IF:), 2012
- [ACL62].** Kinata, S. E., Loubar, K., Paraschiv Maria, Belloncle C., **Tazerout M.** : *“Combination of pyrolysis and hydroliquefaction of CCB-treated wood for energy recovery: optimization and products characterization”*, Bioessource Technology –N° 118 pp (315–322), 2012
- [ACL61.]** Bousbaa H., Liazid A., Awad S., **Tazerout M.**, *Numerical investigations on the use of waste animal fats as fuel on DI diesel engine*, Journal of Petroleum Technology and Alternative Fuels, 2013, volume 4 pages:131-142
- [ACL63].** S. Awad, M. Paraschiv, E. G. Varuvel, and **M. Tazerout**, (2013) *Effetct of free fatty acids and short chain alcohols on conversion of waste cooking oil to biodiesel*, International Journal of Green Energy, N°10: pp 1–13, 2013,
- [ACL64].** Agnès Montillet, Soumia Nedjar, **Mohand Tazerout**, (2013) *Continuous production of water-in-oil emulsion using micromixers*, Fuel N° 106, pp : 410–416, 2013,
- [ACL65].** Sary Awad, Maria Paraschiv, Edwin Geo Varuvel, **Mohand Tazerout**, (2013) *Optimization of biodiesel production from animal fat residue in wastewater using response surface methodology*, Bioresource Technology N°129 pp, 315–320, 2013
- [ACL66].** Silao Espérance Kinata, Khaled Loubar, Maria Paraschiv, Amine Bouslamtib, Christophe Belloncle, **Mohand Tazerout**, (2013); *Slow pyrolysis of CCB-treated wood for energy recovery: Influence of chromium, copper and boron on pyrolysis process and optimization*, Journal of Analytical and Applied Pyrolysis N°104 210–217, 2013
- [ACL67].** Awad S., Varuvel E, Loubar K., **Tazerout M.**, (2013); *Single zone combustion modeling of biodiesel from wastes in diesel engine*, Fuel volume 106 pp. 558 – 568
- [ACL68].** Silao Espérance Kinata, Khaled Loubar, Maria Paraschiv, **Mohand Tazerout**, Christophe Belloncle ; (2013); *Catalytic hydroliquefaction of charcoal CCB (copper, chromiumand boron)-treated wood for bio-oil production: Influence of CCB salts, residence time and catalysts ;* Applied Energy N°115 pp 57–64, 2014

Le 22/11/2017



[ACL69]. Edwin Geo VARUVEL, Nadia MRAD, **Mohand TAZEROUT** and Fethi ALOUI. "*Experimental Analysis of Biofuel as an Alternative Fuel for Diesel Engine*", International Journal of Applied Energy, Vol-94, 224-231, 2012. (IF – 5.106)

[ACL70]. Nadia MRAD, Edwin Geo VARUVEL, Mohand **TAZEROUT** and Fethi ALOUI. "*Effects of Biofuel from Fish Oil Industrial Residue – Diesel Blends on Diesel Engine*", International Journal of Energy, Vol-44, 955-963, 2012. (IF – 3.487)

[ACL71]. Nadia MRAD, Maria PARASCHIV, Fethi ALOUI, Edwin Geo VARUVEL, **Mohand TAZEROUT** and Sassi BEN NASRALLAH "*Liquid Hydrocarbon Fuels from Fish Oil Industrial Residues by Catalytic Cracking*", International Journal of Energy Research, DOI: 10.1002/er.2906, 2012. (IF – 2.122)

[ACL72]. Edwin Geo VARUVEL, Nadia MRAD, **Mohand TAZEROUT** and Fethi ALOUI. "*Assessment of biofuels production from Waste Fish Fat and Utilization in Diesel Engine*", International Journal of Applied Energy, 2012. (IF – 5.106)

[ACL73]. Kinata E., Loubar K., Bouslamti A., Belloncle C. and **Tazerout M.**, 2012, "*Influence of impregnation method on metal retention of CCB-treated wood in slow pyrolysis process*", Journal of Hazardous Materials, Volumes 233–234, pp. 172-176.

[ACL74]. TARABET L., LOUBAR K., LOUNICI M. S., HANCHI S. and **TAZEROUT M.**, 2012, "*Eucalyptus biodiesel as an alternative to diesel fuel: preparation and tests on DI diesel engine*". Journal of Biomedicine and Biotechnology. Volume 2012, pp. 1 – 8.

[ACL75]. Tarabet L., **Loubar K.**, Lounici M.S., Khiari K., Belmrabet T, and **Tazerout M.**, (2014) , "*Experimental investigation of DI Diesel engine operating with Eucalyptus Biodiesel/Natural Gas under dual fuel mode*", *Fuel* 133, pp. 129-138.

[ACL76]. **Awad S.**, **Loubar K.** and **Tazerout M.**, (2014), "*Experimental investigation on the combustion, performance and pollutant emissions of biodiesel from animal fat residues on a direct injection diesel engine*". *Energy*, Vol. 69, pp. 826-836.

[ACL77]. Paraschiv, M., Kuncser, R., **Tazerout, M.**, Prisecaru, T., (2015), "*New energy value chain through pyrolysis of hospital plastic waste*", *Journal of Applied Thermal Engineering*, Vol. 87, pp. 424 – 433, 2015

[ACL78]. Mariane Audo, Maria Paraschiv, Clémence Queffélec, Isabelle Louvet, Julie Hémez, Olivier Lépine, Jack Legrand, Mohand **Tazerout**, Emmanuel Chailleux, (2015) "*Subcritical hydrothermal liquefaction of microalgae residues as a green route to alternative road binders*"; *ACS Sustainable Chemistry and Engineering*, Vol. 3(4), pp. 583 – 590, 2015,

[ACL79]. Henrietta Essie Whyte, Khaled Loubar, Sary Awad, Mohand **Tazerout** (2015)

Le 22/11/2017



Pyrolytic oil production by catalytic pyrolysis of refuse-derived fuels: Investigation of low cost catalysts, Fuel Processing Technology N°140 pp 32–38 (2015)

[ACL80]. Kezrane C., Awad S., Loubar K., Liazid A., **Tazerout M.**, (2016), *Experimental Assessment of Performance and Emissions Maps for Biodiesel Fuelled Compression Ignition Engine*, Applied Energy, Vol. 161, Pages 320–329.

[ACL81]. Khiari K., Awad S., Loubar K., Tarabet L., Mahmoud R., **Tazerout M.** (2016), *Experimental investigation of pistacia lentiscus biodiesel as fuel for direct injection diesel engine*, Energy Conversion and Management 108, 392–399.

[ACL82]. Alkhatib R., Loubar K., Awad S., Mounif E. and **Tazerout M.**, (2015), *Effect of heating power on the scrap tires pyrolysis derived oil*, Journal of Analytical and Applied Pyrolysis, Volume 116, Pages 10-17.

[ACL83]. Lounici M. S., Boussadi A., Loubar K. and **Tazerout M.**, (2014), *Experimental investigation on NG dual fuel engine improvement by hydrogen enrichment. International Journal of Hydrogen Energy*. International Journal of Hydrogen Energy, Volume 39, Issue 36, Pages 21297-21306.

[ACL84]. Lounici M. S., Loubar K., Tarabet L., Balistrrou M., Niculescu D. and **Tazerout M.**, (2014), *Towards improvement of natural gas-diesel dual fuel mode: an experimental investigation on performances and exhaust emissions*. Energy, Volume 64, Pages 200-211.

[ACL85]. N. Laksmono, M. Paraschiv, K. Loubar, M. **Tazerout**, 2013, *Biodiesel production from the biomass gasification tars via thermal/catalytic cracking*. Fuel Processing Technology 106 (2013) 776–783.

[ACL86]. Awad S., **Tazerout M.**, (2014); *Biodiesel Production Unit from Lab Scale to Industrial Pilot Plant:Material and Energy Balance*, Materials science and engineering,Volume 492, pages 380 - 385

[ACL88]. Sana Kordoghli, Maria Paraschiv, Malina Prisecaru, Mohand Tazerout, Fethi Zagrouba, *Factors influencing the thermochemical behaviours of tires rubber Part1- Influence of fiber and metal*; Environmental engineering and management journal, 2015; 21 pages

[ACL89]. Sana Kordoghli, Maria , Radu Kunscher, Mohand Tazerout, Malina Prisecaru, Fethi Zagrouba, Ionut Georgescu ; *Managing the environmental hazards of wastes tires*, Journal of Engineering Studies and Research; Volume 20, N°4, 11 pp, 2016,

[ACL90]. Khiari K., Awad S., Loubar K., Tarabet L., Mahmoud R., **Tazerout M.** Experimental

Le 22/11/2017



investigation of pistacia lentiscus biodiesel as fuel for direct injection diesel engine. *Energy Conversion and Management* 108, pp.392–399, (2016).

- ACL91.** Hadhoum L., Balistrrou M., BURNENS G., Loubar K., **Tazerout M.**, (2016), Hydrothermal Liquefaction of Oil mill wastewater for bio-oil production in subcritical conditions, *Bioresource Technology*, Vol. 218, pp. 9-17.
- ACL92.** Chantal Kassargy, Sary Awad · Khalil Kahine, **Mohand Tazerout**, Study on the simultaneous lipids transesterification and cellulosic matter liquefaction of oleaginous seeds of Pistacia atlantica, *Energy Conversion and Management*, Volume 124, Pages 369–376, Sep 2016 ·
- ACL93.** Caporgno MP, Pruvost J, Legrand J, Lepine O, **Tazerout M**, Bengoa C. Hydrothermal liquefaction of Nannochloropsis oceanica in different solvents, *Bioresour Technol.* 214:404-10. 2016.
- ACL94.** S. Awad, **M. Tazerout**, "Biodiesel Production Unit from Lab Scale to Industrial Pilot Plant: Material and Energy Balance", *Applied Mechanics and Materials*, Vol. 492, pp. 380-385, 2014,
- ACL95.** Lounici, M., Loubar, K., Tazerout, M., Balistrrou, M. et al., "Experimental Investigation on the Performance and Exhaust Emission of Biogas-Diesel Dual-Fuel Combustion in a CI Engine," SAE Technical Paper 2014-01-2689, 2014.
- ACL96.** Sary Awad, Maria Paraschiv, V. Edwin Geo, Mohand Tazerout, Effect of free fatty acids and short chain alcohols on conversion of waste cooking oil to biodiesel; *International Journal of Green Energy*, Taylor & Francis, 2014, 11 (5), pp.441-453.
- ACL97.** Mohamed Bencherif Mohand Tazerout 1, 2 Abdelkrim Liazid, Turbulence-combustion interaction in direct injection diesel engine , *Thermal Science*, VINČA Institute of Nuclear Sciences, 2014, 18 (1), pp.17-27; 2014.
- ACL98.** Pierre Lamarche · Mohand Tazerout · Franck Gelix · [...] · Frédéric Paviet
Modelling of an indirectly heated fixed bed pyrolysis reactor of wood: Transition from batch to continuous staged gasification; *Fuel* Volume 106, April 2013, Pages 118–128; 2013;
- ACL99.** N. Mrad · F. Aloui · M. Tazerout Upgrade of corrosiveness nature of fish waste bio-oil using a hybrid catalyst (MGO/NA₂CO₃) optimization process, *PROCEEDINGS OF THE ASME FLUIDS ENGINEERING DIVISION SUMMER MEETING*, 2013, VOL 1C: SYMPOSIA, 2014
- ACL100.** Sary Awad · Edwin Geo Varuvel · Khaled Loubar · Mohand Tazerout; Single zone combustion modeling of biodiesel from wastes in diesel engine ; *Fuel* Volume 106, Pages 558–568, , April 2013
- [ACL101].** Pascal Ndayishimiye · Khatir Naima · Abdelkrim Liazid · Mohand Tazerout; Performance and emission characteristics of a DI compression ignition engine operated on PODL biofuel; *International Journal of Renewable Energy Technology* 2(3):324 - 344 · January 2011

Le 22/11/2017



Annexes 2 :

Communications scientifiques internationales avec comité de lecture

- [B1]. J. Martin, M. **Tazerout**; *Suppression of pumping losses at partial load by throttling with a rotating distributor*; E.A.E.C 87008, Strasbourg, Juillet 1987
- [B2]. Martin, M. **Tazerout**; *Reduction of fuel consumption of spark-ignited engines working at partial load by reducing the pumping cycle*; 23^{ième} Fisita Congress, Turin, Italie 7-11 May 1990
- [B3]. B. Lemoult, M. **Tazerout**, S. Rousseau; *Impact of operating parameters changing on energy, environment and economic efficiencies of a lean burn gas engine used in cogeneration plant*; Powergen '98, Milan, Italy 9-11 June 1998
- [B4]. M. **Tazerout**, E. Givois, S. Gaudin, H. Verbockhaven; *Modélisation d'un moteur à gaz naturel*; International building performances simulation association, Nice, 11-12, décembre 1998.
- [B5]. M. **Tazerout** et O. Le Corre ; *Réduction du travail de pompage : le distributeur rotatif* 14^{ième} Congrès Français de Mécanique, no. 155, 1999
- [B6]. M. **Tazerout**, O. Le Corre et S. Rousseau ; *TDC Determination in IC Engines Based on the Thermodynamic Analysis of the Temperature-Entropy Diagram*; S.A.E. Society of Automotive Engineering, paper no. 1999-01-1489, ISSN 0148 7191, 1999
- [B7]. M. **Tazerout**, O. Le Corre et P. Stouffs ; *Compression Ratio and TDC Calibrations Using Temperature - Entropy Diagram*; S.A.E. Society of Automotive Engineering, paper no. 1999-01-3509, ISSN 0148 7191, 1999
- [B8]. M. **Tazerout**, O. Le Corre et P. Stouffs ; *Rate of Combustion for Natural Gas Engine in Lean Condition: Analyze and Predictive Model*; ASME Fall Technical Conference, paper no. 99-ICE-241, ICE-vol. 33-3, ISBN 0-7918-1633-8, pp 59-66, 1999
- [B9]. V. Athanasovici, O. Le Corre, G. Brecq et M. **Tazerout** ; *Thermoeconomic Analysis Method for Cogeneration Plants*; Eurotherm ECOS 2000, "From Thermo-economics to sustainability", G.G. Hirs Editor, ISBN 9036514665, pp 157-164, 2000
- [B10]. R. Dupleac, M. **Tazerout**, B. Leduc; *A new methodological approach of sizing and operation optimization for cogeneration by internal combustion engines*; Eurotherm ECOS 2000, "From Thermo-economics to sustainability" pp 671-678, G.G. Hirs editor, ISBN 9036514665, 2000
- [B11]. Bilcan, M. **Tazerout**, O. Le Corre et A. Ramesh ; *Ignition Delay in Dual Fuel Engines : an Extended Correlation for Gaseous Fuels* ; ASME 2001 Spring Technical Conference,

Le 22/11/2017



Philadelphia, PA, 29 avril – 2 mai, 2001

- [B12]. G. Brecq, J. Bellettre et **M. Tazerout** ; *Modélisation « deux zones » des moteurs à gaz fonctionnant en mélange pauvre : Application à la prédiction du cliquetis*. Congrès français de Thermique, SFT 2001, Nantes, 29-31 mai 2001
- [B13]. G. Brecq, M. **Tazerout** , O. Le Corre ; *A Comparison of Experimental Indices to Determine Knock Limit in CHP SI Engines* ;5th World Conference on Experimental Heat Transfer, Fluid Mechanics and Thermodynamics, Thessaloniki (Grece) 24-28 Septembre 2001
- [B14]. Bitir, M. Tazerout et O. Le Corre, *Energy, Environmental and Economic Analysis of the Biogas Use in Cogeneration - the Wastewater Treatment Case* -ECOS conference 2001
- [B15]. Bitir, M. Tazerout et O. Le Corre ; *Taxes for CO2 Emissions: An Approach for Small-Scale CHP Development?* ECOS conference 2001
- [B16]. P. Stouffs, M. **Tazerout**, O. Le Corre et P. Wauters ; *Représentation entropique pour la mise en évidence des transferts thermiques fluide-parois dans les machines volumétriques alternatives* ; Journées thématiques SFT-SFGP : Nouvelles méthodes en thermodynamique ; Paris, avril 2001
- [B17]. Bitir, M. Tazerout et O. Le Corre ; "*Optimal Use of Generated Biogas from Manure*" *The World Congress of Computers in Agriculture and Natural Resources*; Brazil September 9-21, 2001; American Society for Agricultural Engineering
- [B18]. A. Bilcan, O. Le Corre, M. Tazerout, A. Ramesh et S. Ganesan; *Characterization of the LPG Diesel Dual Fuel Combustion*; 2nd International SAE INDIA Mobility Conference – 2001, Chennai, 1-3 novembre 2001
- [B19]. A. Ramesh, M. Tazerout et O. Le Corre ; *Experimental investigation on cycle by cycle variations in a natural gas fuelled spark ignition engine*. 2nd International SAE INDIA Mobility Conference – 2001, Chennai, 1-3 novembre 2001
- [B20]. G. Brecq, J. Bellettre et M. Tazerout ; *Experimental Determination of Knock in Gas SI Engines*, 2nd International SAE INDIA Mobility Conference – 2001, Chennai, 1-3 novembre 2001
- [B21]. G. Brecq, A. Ramesh, M. Tazerout et O. Le Corre ; *An Experimental Study of Knock in a Natural Gas Spark Ignition Engine*, SAE Conferences, 2001 Fall Fuels & Lubricants Meeting – San Antonio (USA), 24-27 septembre 2001
- [B22]. G. Brecq, J. Bellettre et M. **Tazerout**, *Expérimental determination of knock in gas SI engine*. 2nd Int. SAE India Mobility Conf., 10-12 janvier 2002, Chennai, Inde, p. 153-

Le 22/11/2017]



159

- [B23]. I. Bitir, A. Fratila, V. Athanasovici, M. **Tazerout**, O. Le Corre et J. Bellettre, *Analyse technique, environnementale et économique de la valorisation du biogaz dans un système de trigénération*, Colloque Franco-Roumain sur Energie-Environnement-Economie, COFRET 2002, pp 261-266, ISBN 973-8165-22-9
- [B24]. A. Bilcan, O. Le Corre, M. **Tazerout**, I. Bitir et V. Athanasovici, *Valorisation du biogaz dans les moteurs à combustion interne*, Colloque Franco-Roumain sur Energie-Environnement-Economie, COFRET 2002, pp 253-259, ISBN 973-8165-22-9
- [B25]. A. Bilcan, O. Le Corre, M. **Tazerout**, A. Ramesh et S. Ganessian, *Characterization of the LPG-diesel dual fuel combustion*. Proceeding of the 2nd International SAEINDIA Mobility conference, Technology direction for clean safe and efficient vehicle- SAE Paper n° 2001-28-0036, 249-258, Chennai, Inde 2002
- [B26]. A. Bilcan, O. Le Corre, M. **Tazerout** et A. Ramesh, *Modélisation de la combustion du GPL dans les moteurs Dual-Fuel, énergétique des systèmes, moteurs thermiques* SFT, Paris 2002
- [B27]. I. Bitir, A. Fratila, M. **Tazerout**, O. Le Corre et J. Bellettre, *Analyse technique, environnementale et économique de la valorisation du biogaz dans un système de trigénération*. Colloque Franco-Roumain sur Energie Environnement Economie et Thermodynamique (COFRET), 28-29 mai 2002, Bucarest, Roumanie, p. 261-266
- [B28]. G. Brecq, J. Bellettre, M. **Tazerout** et T. Muller, *Knock prevention of gas SI engine by adjunction of inert gases to the fuel*. ASME International Joint Power Generation Conference, 24-26 juin 2002, Phoenix, USA, 7 p. (CD ROM)
- [B29]. A. Bilcan, O. Le Corre, M. **Tazerout**, I. Bitir, V. Athanasovici, *Thermo-Economic Analysis for Internal Combustion Engines: Spark Ignited and Dual-Fuel*, ECOS'2002, ISBN 3 00 009533 0
- [B30]. A. Bilcan, O. Le Corre et M. **Tazerout**, *Description de la combustion dual-fuel dans les moteurs à combustion interne*, SFT 2002, Du moteur à explosion à la pile à combustible, ISBN 2-84299-375-6 Elsevier
- [B31]. F. Pirotais, J. Bellettre, O. Le Corre, M. **Tazerout**, G. De Pelsmaecker et G. Guyonvarc'h, *Modélisation des interactions énergétiques, entre un moteur d'automobile à combustion interne, le système de chauffage et les systèmes électriques du véhicule*, SFT 2002, Du moteur à explosion à la pile à combustible, ISBN 2-84299-375-6 Elsevier
- [B32]. F. Pirotais, J. Bellettre, O. Le Corre, M. **Tazerout**, G. de Pelsemaecker et G. Guyonvarc'h, *A model of energetic interactions between a car engine, the cabin heating system and the electrical system*, In Technical Paper, N° 2002-01-2224, S.A.E., ISSN 0148-7191
- [B33]. C. Rahmouni, M. **Tazerout** et O. Le Corre, *A Method to Determine Biogas*

Le 22/11/2017



Composition For Combustion Control, In Technical Paper, S.A.E. Paper 2002-01-1708, ISSN 0148-7191

- [B34]. A. Fratila, J. Bellettre, I. Bitir, M. **Tazerout** et V. Athanasovici, *Thermoeconomic analysis of a trigeneration system: case of a large dairy farm*. 15th Int. Conf. on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS), 3-5 juillet 2002, Berlin, Allemagne, Vol. 3, p. 1463-1470
- [B35]. J. Bellettre et M. **Tazerout**, *Numerical simulations of reactive flows in a wood gasifier*. 3rd Mediterranean Combustion Symposium (MCS 3), 8-13 juin 2003, Marrakech, Maroc 10 p
- [B36]. J. Bellettre et M. **Tazerout**, *Numerical study of unsteady heat transfer around a cylinder. Application to knock detection*. *Heat Transfer in Unsteady and Transitional flows – Eurotherm 74*, 23-26 mars 2003, Eindhoven, Pays Bas, p. 99-104
- [B37]. J. Bellettre, S.A. Ould Khaoua et M. **Tazerout**, *Etude numérique des transferts thermiques stationnaires au voisinage d'un cylindre. Application à la détection du cliquetis*. Congrès Français de Thermique – SFT, 3-6 juin 2003, Grenoble, p. 755-760
- [B38]. J. Bellettre, A. Bettahar et M. **Tazerout**, *Simulations numériques des écoulements turbulents réactifs lors de la gazéification du bois par un modèle « EDC »*, Congrès Français de Thermique – SFT, 3-6 juin 2003, Grenoble, p. 761-766
- [B39]. F. Pirotais, J. Bellettre, O. Le Corre, M. **Tazerout** et G. Guyonvarch, *Cabin automotive additional heating systems. Review, numerical simulation and evaluation of existing technologies*, ECOS 2003 pp 671-678, 2003
- [B40]. F. Pirotais, J. Bellettre, O. Le Corre, M. **Tazerout** et G. Guyonvarch, *A Diesel Engine Global Simulation Tool. Benefits in coolant loop optimization and additional heating systems use*, IMECHE Vehicle Thermal Management Systems, C599/007/2003, ISBN 18605841887
- [B41]. F. Pirotais, J. Bellettre, O. Le Corre, M. **Tazerout**, G. De Pelsemaeker et G. Guyonvarch, *A Diesel Engine Thermal Transient Simulation : Coupling Between a Combustion Model and a Thermal Model*, In Technical Paper, N° 2003-01-0224, S.A.E. ISSN 0148-7191
- [B42]. G. Brecq, C. Rahmouni, A. Taouri, M. **Tazerout** et O. Le Corre, *Service Methane Number as a Mean to Avoid Knock in Natural Gas Fuelled Spark Ignition Engines*, ICE-ASME Salzburg(Austria), May 11-14, ICE 2003-573, 2003
- [B43]. L. Gerun, R. Vijeju, J. Bellettre et M. **Tazerout**, *A wood gasification model (Part1) : pyrolysis model using heterogeneous equilibrium coefficients*. Proceedings of the World Sustainable Energy Days, 3-4 mars 2004, Wels, Autriche, p. 256
- [B44]. K. Loubar, J. Bellettre et M. **Tazerout**, *Amplification des variations de température par l'emploi de promoteurs de turbulence au voisinage d'un cylindre moteur. Application à la détection du cliquetis*. Congrès Français de Thermique – SFT, 25-28 mai 2004, Presqu'île de

Le 22/11/2017



Giens, p. 879-884

- [B45]. J. Bellettre, E. Ollivier et M. **Tazerout**, *The use of a phase change material within a cylinder wall in order to detect knock in a gas SI engine*, International Thermal Science Seminar – ITSS II, 13-16 juin 2004, Bled, Slovénie, p. 725-732
- [B46]. C. Garnier, J. Bellettre, M. **Tazerout** et G. Guyonvarch, *Numerical simulation of combustion in direct injection diesel engine. Application to additional heating systems*. 45th Conference on Simulation and Modelling – SIMS 2004, 23-24 septembre 2004, Copenhague, Danemark, p. 233-240
- [B47]. E. Ollivier, J. Bellettre et M. **Tazerout**, *The use of a zero dimensional model in order to characterise knock in spark ignition engine*. 45th Conference on Simulation and Modelling – SIMS 2004, 23-24 septembre 2004, Copenhague, Danemark, p. 397-403
- [B48]. L. Gerun, R. Vijeun, J. Bellettre et M. **Tazerout**, *CFD biomass downdraft gasifier modelling: oxydation-reduction zone*. 45th Conference on Simulation and Modelling – SIMS 2004, 23-24 septembre 2004, Copenhague, Danemark, p. 137-144
- [B49]. R. Vijeun, J. Bellettre et M. **Tazerout**, *Nodal modelling of biomass thermochemical decomposition*. 45th Conference on Simulation and Modelling – SIMS 2004, 23-24 septembre 2004, Copenhague, Danemark, p. 233-240
- [B50]. A. Kerihuel, M. Senthil Kumar, J. Bellettre et M. **Tazerout**, *Experimental study on the use of animal fat as a CI engine fuel by transforming into its emulsion with water and ethanol*. International Congress on the Renewable Energies and the Environment – CERE, 24-26 mars 2005, Sousse, Tunisie, 8 p. (CD ROM)
- [B51]. D. Tarlet, J. Bellettre et M. **Tazerout**, *Numerical study of total combustion time of water-in-oil emulsion droplets*. International Congress on the Renewable Energies and the Environment – CERE, 24-26 mars 2005, Sousse, Tunisie, 8 p. (CD ROM)
- [B52]. R. Vijeun, L. Gerun, J. Bellettre, M. **Tazerout**, Z. Younsi et C. Castelain, *Modèle thermochimique bidimensionnel de pyrolyse de la biomasse*. International Congress on the Renewable Energies and the Environment – CERE, 24-26 mars 2005, Sousse, Tunisie, 8 p. (CD ROM).
- [B53]. A. Kerihuel, M. Senthil Kumar, J. Bellettre et M. **Tazerout**, *Investigations on a compression ignition engine using animal fat - water/methanol emulsions as fuel*, SAE World Congress, 11-14 avril 2005, Detroit, USA. 9 p
- [B54]. E. Ollivier, J. Bellettre et M. **Tazerout**, *A non intrusive method for knock detection based on the exhaust gas temperature*, SAE World Congress, 11-14 avril 2005, Detroit, USA. 6p
- [B55]. C. Garnier, J. Bellettre, M. **Tazerout**, R. Haller et G. Guyonvarch, *Model reduction for automotive engine to enhance the thermal management of european modern cars*, SAE



World Congress, 11-14 avril 2005, Detroit, USA. 9 p

- [B56]. C. Garnier, D. Dinescu, J. Bellettre, M. **Tazerout**, R. Haller et G. Guyonvarch, *Numerical study of heat losses in automotive engines during cold starts. Application to prediction of thermal deficit*. IMechE & SAE Vehicle Thermal Management Systems Conference & Exhibition (VTMS-7), 10-12 mai 2005, Toronto, Canada, 8 p. (CD ROM)
- [B57]. D. Tarlet, J. Bellettre et M. **Tazerout**, *Simulation numérique de la combustion d'une gouttelette de l'eau dans l'huile*. Congrès Français de Thermique – SFT, 30 mai – 2 juin 2005, Reims, p. 349-354
- [B58]. C. Garnier, J. Bellettre, M. **Tazerout**, R. Haller, et G. Guyonvarch, *Réduction d'un modèle de combustion et de transferts de chaleur dans un moteur diesel à injection directe*. Congrès Français de Thermique – SFT, 30 mai – 2 juin 2005, Reims, p. 361-366
- [B59]. E. Ollivier, J. Bellettre et M. **Tazerout**, *Modélisation des transferts thermiques dans un moteur à allumage commandé en fonctionnement cliquetant*. Congrès Français de Thermique – SFT, 30 mai – 2 juin 2005, Reims, p. 367-372
- [B60]. D. Tarlet, J. Bellettre, M. **Tazerout** et C. Rahmouni, *Numerical study of micro-explosion delay of water-in-fuel emulsion droplets*. 18th Int. Conf. on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS), 20-23 juin 2005, Trondheim, Norvège, Vol. 1, p. 237-242
- [B61]. A. Kerihuel, M. Senthil Kumar, J. Bellettre et M. **Tazerout**, *Effect of alcohols addition on the performance and emission characteristics of an animal fat emulsion fuelled diesel engine*. 18th Int. Conf. on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS), 20-23 juin 2005, Trondheim, Norvège, Vol. 3, p. 1383-1390
- [B62]. L. Gerun, J. Bellettre, M. **Tazerout**, B. Gøbel et U. Henriksen, *Investigation of the Oxidation Zone in a Biomass two-stage downdraft Gasifier*. 18th Int. Conf. on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS), 20-23 juin 2005, Trondheim, Norvège, Vol. 3, p. 1525-1532
- [B63]. L. Gerun, J. Bellettre et M. **Tazerout**, *Numerical investigation of air injection during biomass gasification in a two-stage downdraft configuration*. Fourth Mediterranean Combustion Symposium (MCS4), 6-10 octobre 2005, Lisbonne, Portugal, 12 p. (CDROM)
- [B64]. D. Tarlet, J. Bellettre, M. **Tazerout** et C. Rahmouni, *A criterion for prediction of micro-explosion delay of water-in-fuel emulsion droplet*. Fourth Mediterranean Combustion Symposium (MCS4), 6-10 octobre 2005, Lisbonne, Portugal, 10 p. (CDROM)
- [B65]. A. Kerihuel, M. Senthil Kumar, J. Bellettre et M. **Tazerout**, *Mise en évidence de la micro-explosion dans un moteur alimenté par une émulsion d'eau dans l'huile. Effets sur la réduction de polluants*. Congrès Français de Thermique – SFT, 16-19 mai 2006, Ile de Ré, p. 515-520
- [B66]. R. Vijeju, L. Gerun, J. Bellettre, M. **Tazerout**, Z. Younsi et C. Castelain,

Le 22/11/2017



Approche nodale pour la pyrolyse de la biomasse. Colloque Franco-Roumain sur Energie Environnement Economie et Thermodynamique (COFRET), 15-17 juin 2006, Timisoara, Roumanie, vol. 1, p. 67-70

- [B67]. R. Vijeu, L. Gerun, J. Bellettre, M. **Tazerout** et C. Castelain, *Dimensional modeling of biomass pyrolysis based on a nodal approach*, 19th Int. Conf. on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS), 12-14 juillet 2006, Crète, Grèce, vol. 1, p. 365-372
- [B68]. A. Kerihuel, M. Senthil Kumar, J. Bellettre et M. **Tazerout**, *Use of animal fat – water / alcohol emulsions as fuel in a diesel engine. Effect of micro-explosion*. World Renewable Energy Congress-IX (WREC IX), 19-25 août 2006, Florence, Italie, 6 p. (CD ROM)
- [B69]. D. Tarlet, J. Bellettre, M. **Tazerout** et C. Rahmouni, *Simulation numérique comparée de la combustion d'un spray de fioul lourd pur et en émulsion* Congrès Français de Thermique – SFT, 29 mai - 1er juin 2007, Ile des Embiez
- [B70]. D. Tarlet, J. Bellettre, M. **Tazerout** et C. Rahmouni, *A comparison between spray combustion simulations of raw and water-in-oil emulsified fuel*. /5th Mediterranean Combustion Symposium (MCS-5)/, 9-13 septembre 2007, Monastir, Tunisie, 7 p. (CDROM)
- [B71]. D. Tarlet, J. Bellettre, M. **Tazerout** et C. Rahmouni, *Concentration and granulometry of carbonaceous residue : a comparison between raw and emulsified heavy fuel*. 1^{ère} Conférence Internationale sur la conversion et la maîtrise de l'énergie, 11-13 avril 2008, Sousse, Tunisie, p 363-366
- [B72]. D. Tarlet, J. Bellettre, M. **Tazerout** et C. Rahmouni, *Comparaison expérimentale des émissions de particules issues de flammes de fioul lourd pur et en émulsion*. /Congrès Français de Thermique – SFT, /3-6 juin 2008, Toulouse, Vol. 1, p. 3-8
- [B73]. D. Tarlet, J. Bellettre, M. **Tazerout** et C. Rahmouni, *Emissions de particules issues de flammes de fioul lourd pur et en émulsion avec l'eau*. / Colloque Francophone en Energie, Environnement, Economie et Thermodynamique (COFRET)/, 11-13 juin 2008, Nantes, 5p.(CDROM)
- [B74]. M. Paraschiv, M. **Tazerout**, R. Kuncser, *Energetically Valorisation of Plastic Wastes*, Oral Presentation, 2nd International Conference on Engineering for Waste Valorisation, June 3 – 5, 2008, Patras, Greece
- [B75]. M. Paraschiv, M. **Tazerout**, R. Kuncser, *Recycling of Composite Wastes by Pyrolysis*, Poster Presentation, 2nd International Conference on Engineering for Waste Valorisation, June 3 – 5, 2008, Patras, Greece

[B76]. M. Paraschiv et M. **Tazerout**, *Setting of energy performance requirements in France*, Oral Presentation, COFRET'08– 4th French – Romanian Colloquium on Energy - Environment

Le 22/11/2017



– Economy - Thermodynamics, 11 – 13 June 2008, Nantes, France

[B77]. M. Paraschiv et M. **Tazerout**, *France's measures for promotion of RES & RUE integration in ecobuildings design concept*”, Poster Presentation, COFRET'08 – 4th French – Romanian Colloquium on Energy - Environment – Economy - Thermodynamics, 11 – 13 June 2008, Nantes, France.

[B78]. M. Paraschiv, M. **Tazerout**, R. Kuncser, *Bio-Fuels Employable at All Seasons Obtained by Vegetable Oils Processing*, Oral Presentation, COFRET'08 – 4th French – Romanian Colloquium on Energy - Environment – Economy - Thermodynamics, June 11 – 13, 2008, Nantes, France

[B79]. R. Kuncser, M. **Tazerout** et M. Paraschiv, *Utilization of Bio-Gas from Wastewater Treatment in Micro-CHP Systems*, Poster Presentation, COFRET'08 – 4th French – Romanian Colloquium on Energy - Environment – Economy - Thermodynamics, June 11 – 13, 2008, Nantes, France

[B80]. M. Paraschiv et M. **Tazerout**, *RES and RUE concepts in French energy policy*, Oral Presentation, International Conference on New Energy Sources Applications in Buildings, October 23 – 25, 2008, Bucharest, Romania

[B81]. Kumar M.S., Olivier E., **Tazerout** M., (2009), *Determination of a new heat transfer correlation for diesel engines*. International Symposium on Convective Heat and Mass Transfer in Sustainable Energy, Tunisia, April 26-May 1, 2009.

[B82]. Kumar M.S., **Tazerout** M., (2009), *Investigations on the Use of Animal fat as Diesel engine fuel*.. 7th IASME / WSEAS International conference on Heat Transfer, Thermal Engineering and Environment (HTE'09), Moscow, Russia, August 20–22, 2009.

[B83]. Izidi L., **Tazerout** M., Liazid A., (2009), *Un modèle de représentation des turbocompresseurs de suralimentation*, 14èmes Journées Internationales de Thermique JITH2009, Djerba, Tunisie, 27-29 March, 2009.

[B84]. Ndayishimiye P., Kumar M.S., **Tazerout** M. (2009), *Preparation and properties analysis of methyl esters of palm oil and waste cooking oil mixture to use as fuel in diesel engines*, CIE'09, 1^{er} colloque international sur la Maitrise de l'énergie et les applications des énergies renouvelables, Tozer, Tunisia, May 20-22, 2009.

[B85]. Paraschiv M., **Tazerout** M. (2009), *R&D activities for buildings in France*. International Workshop on Eco-Buildings, Brussels, Belgium, March 5-6, 2009,

- [B86]. Paraschiv M. **Tazerout** M. (2009), *French market and opportunities for integration of RES&RUE in buildings*. International Workshop on New Energy Technologies, Athens, Greece,

Le 22/11/2017]



May 25-26, 2009.

- [B87]. Paraschiv M., Kuncser R., **Tazerout** M. (2009), *Qualitative and Quantitative Analysis of Plastic Waste Pyrolysis Products*. 11th International Conference on the Environmental Science and Technology (CEST2009), Chania, Greece, September 3-5, 2009.
- [B88]. Ramla Gheith, F. Aloui, M. **Tazerout**, S. B. Nasrallah, J. Legrand, *"Theoretical and experimental study of a Stirling engine functioning with real gas (air)"*, 2nd Annual Meeting of Sino-French Laboratory for Sustainable Energy, 1-5 Juin, 2009, Dalian, China.
- [B89]. Kuncser R., **Tazerout** M., Paraschiv M., Bellettre J. (2009), *"Technologies for Energetically Valorisation of the Products Obtained by Plastics Pyrolysis*. 11th International Conference on the Environmental Science and Technology (CEST2009), Chania, Greece, September 3–5, 2009.
- [B90]. Dinescu D. C., **Tazerout** M. (2009), *Mean value modelling of a variable nozzle turbocharger (VNT)*, 4th International Conference on Energy and Environment, Bucharest, Romania, November 12-14th 2009.
- [B91]. Ndayishimiye P., Kumar M.S., **Tazerout** M. (2009), *Preparation and Properties Analysis of Methyl Esters of Palm Oil and Waste Cooking Oil Mixture to Use as Fuel in Diesel Engines*, Proceedings of the 17th European Biomass Conference and Exhibition 2009, ISBN 978-88-89407-57-3 pp. 1929-1934, Hamburg, Germany, June 2009.
- [B92]. Lamarche P., Paviet F. **Tazerout** M., Loubar K. (2009), *A nodal approach modelling in a wood staged gasifying process : Application to the fixed bed pyrolysis reactor design*, 17th European Biomass Conference and Exhibition 2009, Hamburg, Germany, June 2009.
- [B93]. Mrad N., Aloui F., **Tazerout** M., Ben Nasrallah S. (2009). *Production of biofuel for diesel engines from animal fat*, Congrès Tuniso- Japonais, Sciences et Technologie, (TJASST'09), 11-13 Novembre 2009, Hammamet, Tunisie (2009).
- [B94]. Lamarche P., Paviet F., **Tazerout** M., Loubar K. (2009), *Dimensionnement d'un procédé de gazéification étagé de la biomasse*. Communication orale, Colloque Non Pollution Dépollution et Génie des Procédés 2009, Nantes, France, 2–3 mars, 2009.
- [B95]. Lamarche P., Paviet F. **Tazerout** M., Loubar K. (2009), *A nodal approach modelling in a wood staged gasifying process: Application to the fixed bed pyrolysis reactor design*, 17th European Biomass Conference and Exhibition 2009, Hamburg, Germany, June 2009.

[B96]. Awad S., Basa I-A., Paraschiv M., **Tazerout M**, *Characterization and optimization of biodiesel's production from waste cooking oil*, 4th International Conference on Energy and

Le 22/11/2017|



Environment CIEM'09, Bucharest, Romania, November 12-14, 2009

[B97]. Awad S., Basa I.A., Paraschiv M., **Tazerout M.** (2009), *Valorisation des huiles de friture usagées et de la graisse animale en biocarburants*. Colloque Non Pollution Dépollution et Génie des Procédés 2009, Nantes, France, 2–3 mars, 2009.

[B98]. Mrad N., **TAZEROUT M.**, Ben Nasrallah S., Aloui F. (2010). Valorization of animal fat as biofuel for diesel engines. 2nd International Conference on Energy Conversion and Conservation (CICME'10), April 22-25, Hammamet, Tunisia (2010).

[B99]. Mrad N., Aloui F., **Tazerout M.**, Ben Nasrallah S., Abdallah H. (2010). *Valorisation des graisses animales comme biocombustible pour moteurs*. Actes de la 5^{ème} Edition du Colloque Francophone sur L'Énergie-Environnement-Économie & Thermodynamique (COFRET), 5-7 Mai 2010, ISBN : 1011-2855, Edition Politehnium, Iași, Roumanie, Vol. 3b (2010) 337-344.

[B100]. Mrad N., Aloui F., **Tazerout M.**, Ben Nasrallah S.,. (2010). *Valorisation des graisses animales comme biocombustible pour moteur diesel*. Congrès SFT, Énergie et Transports Durables, ISBN : 978-2-905267-73-3, Le Touquet, France, 25-28 Mai 2010, Tome 1 (2010) 889-894.

[B101]. Ramla Gheith, Fethi Aloui, Mohand **Tazerout**, Sassi Ben Nasrallah, *Study of a gamma type Stirling engine functioning with a real gas as working fluid*, ASME-ATI-UIT, Sorrento - Italie, Mai 2010

[B102]. Ramla Ramla Gheith, Fethi Aloui, Mohand **Tazerout**, Sassi Ben Nasrallah, *Experimental study of a Gamma Stirling engine*, (CICME'10), Hammamet – Tunisie, Avril 2010

[B103]. Ramla Gheith, Fethi Aloui, Mohand **Tazerout**, Sassi Ben Nasrallah, *Étude thermodynamique de l'influence de la pression de charge initiale sur l'amélioration des performances d'un moteur Stirling de type Gamma*, 5^{ème} Edition du Colloque francophone sur l'énergie – environnement – économie & thermodynamique, (COFRET'10), Iasi – Roumanie, mai 2010.

[B104]. Ramla Gheith, Fethi Aloui, Mohand **Tazerout**, Sassi Ben Nasrallah, *Détermination des paramètres optimaux de fonctionnement d'un moteur Stirling de configuration Gamma*, CFSE'10, octobre 2010, Syrie.

[B105]. Kuncser, R., Paraschiv Maria, **Tazerout M.**, Belletre, J." *Energetic valorisation of polyethylene waste through pyrolysis*", COFRET2010 - 5th Francophone Colloquium on

Le 22/11/2017



- [B106]. Kuncser, R., Paraschiv Maria, **Tazerout** M., Belletre, J.: “*Energetically valorisation by pyrolysis of the waste plastics from cars*”, AMT’2010, Settat, Maroc, 6 – 7 Mai, 2010
- [B107]. AWAD S., Paraschiv M., Loubar K., **Tazerout** M. (2010), *Exploitation of cooking oils and animal fat wastes for biodiesel production. Communication orale*, Seventh International Conference on Material Sciences (CSM7), Beirut - Lebanon, May 20 – 22, 2010.
- [B108]. Dinescu D., Loubar K., **Tazerout** M. (2010), *Modélisation d’un turbocompresseur pour les applications de commande du moteur*. Congrès AMT2010, Settat - Maroc, 6 – 7 Mai, 2010.
- [B109]. AWAD S., Loubar K., **Tazerout** M. (2010), *ANALYSE EXPERIMENTALE DE LA COMBUSTION DU BIODIESEL ISSU DE LA VALORISATION DE L’HUILE DE FRITURE USAGEE DANS UN MOTEUR DIESEL*. Congrès AMT2010, Settat - Maroc, 6 – 7 Mai, 2010.
- [B110]. AWAD S., Loubar K., **Tazerout** M. (2010), *Experimental heat release analysis and emissions of a diesel engine fueled with biofuel elaborated from animal fat valorization*. 2nd International Conference on Energy Conversion and Conservation, Hammamet, Tunisia, 22 – 25 April, 2010.
- [B111]. Kuncser R., Paraschiv M., **Tazerout** M., Bellettre J., Loubar K., ‘*ENERGETIC VALORISATION BY PYROLYSIS OF THE WASTE PLASTICS FROM CARS*’, Congrès AMT2010, 6 – 7 Mai 2010, Settat - Maroc.
- [B112]. Awad S., Paraschiv M., **Tazerout** M., *contribution on the valorization of waste animal fat*, Cinquième Edition du Colloque Francophone sur l’Energie - Environnement - Economie et Thermodynamique, 5-7 May, 2010, Iași – Roumania.
- [B113]. Lounici M. S., Loubar K., Balistrrou M., **Tazerout** M., *Optimization of heat transfer calculation within two-zone combustion model for natural gas SI engines*, Second International Conference on Energy Conversion and Conservation, CICME10, 22-25 APRIL 2010, TUNISIA.
- [B114]. Mrad N., Aloui F., **Tazerout** M., Ben Nasrallah S. (2011). *Production of bio-fuel from industrial fish oil residues by catalytic cracking*, 4th Annual Meeting of Sino-French Laboratory for Sustainable Energy, Guangzhou, April 10-17, 2011, China.
- [B115]. Mrad N., Paraschiv M., Aloui F., **Tazerout** M., Ben Nasrallah S. (2011). *Production of liquid hydrocarbon fuel by catalytic cracking of waste fish fat in continuous pilot system*.

Le 22/11/2017



24-29, 2011, Hamamatsu, Shizuoka, Japan (2011).

- [B116]. E. Kinata, K. Loubar, M. **Tazerout**, C. Belloncle, *Optimization of hydroliquefaction process of charcoal CCB-treated wood for bio-oil production*, AMT2012, Casablanca, Morocco, 18 – 19 April 2011.
- [B117]. L. Tarabet, M. S. Lounici, K. Loubar, S. Hanchi and M. **Tazerout**: *Experimental evaluation of performance and emissions of DI diesel engine fuelled with Eucalyptus Biodiesel. Internal Combustion Engines: Improving Performance, Fuel Economy and Emissions*. IMechE, London, UK, 29 – 30 November, 2011. Pages 167 – 176.
- [B118]. Kinata E., Loubar K., **Tazerout M.**, Belloncle C., *Energy recovery of CCB-treated wood Part 1: influence of copper, chromium and boron on pyrolysis process*. 19th European Biomass Conference and Exhibition, 6-10 June 2011 Berlin, Germany, 2011.
- [B119]. M. S. Lounici, K. Loubar, L. Tarabet, M. Balistrou and M. **Tazerout**. *Choix de corrélation de transfert thermique pour une meilleure modélisation de moteurs fonctionnant au GNV*, SFT 2011, 24 – 27 Perpignan, 2011
- [B120]. M. S. Lounici, K. Loubar, L. Tarabet, M. Balistrou and M. **Tazerout**. *Etude de performances d'un moteur diesel conventionnel adapté pour un fonctionnement dual-fuel au gaz naturel*, JITH 2011, 24 – 26 Septembre, Tlemcen - Algérie, 2011.
- [B121]. L. Tarabet, M. S. Lounici, K. Loubar, S. Hanchi and M. **Tazerout**. *Experimental Investigation of Combustion and Heat Release Characteristics of a Biodiesel Fuelled Diesel Engine*, JITH 2011, 24 – 26 Septembre, Tlemcen - Algérie, 2011.
- [B122]. Kinata E., Loubar K., Bouslamti A., Belloncle C., **Tazerout M.**, *Energy recovery of CCB-treated wood influence of copper, chromium and boron on pyrolysis process*. SFGP, December 2011 Lille, France, 2011.
- [B123]. L. Tarabet, M.S. Lounici, K. Loubar, S. Hanchi, and M. **Tazerout**, *Experimental investigation of eucalyptus biodiesel combustion in DI diesel engine*. In Proc. 5th ECM, 2011.
- [B124]. L. Tarabet, K. Loubar, M. S. Lounici, S. Hanchi and M. **Tazerout**. *Numerical Investigation on Diesel Engine running with Eucalyptus Biodiesel and its blends*, ASME 2012, Torino - Italy, 06 – 09 May 2012.
- [B125]. M. S. Lounici, L. Tarabet, K. Loubar, M. Balistrou and M. **Tazerout**. *Investigations towards improvement of conventional DI diesel engine under natural gas dual fuel operation*,

Sixth International Conference on Thermal Engineering: Theory and Applications, Istanbul,

Le 22/11/2017]



Turkey, May 29-June 1, 2012.

- [B126]. L. Tarabet, K. Loubar, M. S. Lounici, S. Hanchi and M. **Tazerout**. *Validation of a single zone diesel engine model for biodiesel combustion*, 2ème Séminaire International sur les Energies Nouvelles et Renouvelables, Ghardaïa, Algérie, 15 – 17 Octobre 2012.
- [B127]. M. S. Lounici, L. Tarabet, K. Loubar , M. Balistrrou and M. **Tazerout**. *Utilisation des biogaz issus de déchets dans les moteurs dual-fuel*, 2ème Séminaire International sur les Energies Nouvelles et Renouvelables, Ghardaïa, Algérie, 15 – 17 Octobre 2012.
- [B128]. L. Tarabet, K. Loubar, M. S. Lounici, S. Hanchi and M. **Tazerout**. *Numerical Investigation on Diesel Engine running with Eucalyptus Biodiesel and its blends*, ASME 2012, Torino - Italy, 06 – 09 May 2012.
- [B129]. M. S. Lounici, L. Tarabet, K. Loubar, M. Balistrrou and M. **Tazerout**. *Investigations towards improvement of conventional DI diesel engine under natural gas dual fuel operation*, Sixth International Conference on Thermal Engineering: Theory and Applications, Istanbul, Turkey, May 29-June 1, 2012.
- [B130]. L. Tarabet, K. Loubar, M. S. Lounici, S. Hanchi and M. **Tazerout**. *Validation of a single zone diesel engine model for biodiesel combustion*, 2ème Séminaire International sur les Energies Nouvelles et Renouvelables, Ghardaïa, Algérie, 15 – 17 Octobre 2012.
- [B131]. M. S. Lounici, L. Tarabet, K. Loubar , M. Balistrrou and M. **Tazerout**. *Utilisation des biogaz issus de déchets dans les moteurs dual-fuel*, 2ème Séminaire International sur les Energies Nouvelles et Renouvelables, Ghardaïa, Algérie, 15 – 17 Octobre 2012.
- [B132]. Edwin Geo VARUVEL, Nadia MRAD, Mohand **TAZEROUT** and Fethi ALOUI. *“Production of Biofuel from Fish Oil Industrial waste and Testing in Diesel Engine”* 4th International Conference on Engineering for Waste and Biomass Valorization, Portugal, Sep 10-13, 2012.
- [B133]. Awad S., **Tazerout M.**, *Biodiesel Production Unit from Lab Scale to Industrial Pilot Plant: Material and Energy Balance*, 2nd International Conference on Power Science and Engineering 20 – 21 December 2013, Paris – France
- [B134]. Al-Khatib R., Loubar K., Awad S., Mounif E., **Tazerout M.**, *Waste tires pyrolysis: thermogravimetric study and conditions optimization in a batch reactor*, 5th International Conference on Applied Energy, 1 – 4 July 2013, Pretoria – South Africa
- [B135]. Awad S., Paraschiv M., Loubar K., **Tazerout M.**, *Production et combustion dans un moteur diesel du biodiesel issu de la valorisation des résidus graisseux*, Séminaire « Energie »

de l'IMT - Regards croisés sur l'énergie, 30 et 31 mai 2013, Ecole des Mines de

Le 22/11/2017



Paris

- [B136]. BOUSSADI A., Lounici M. S., TARABET L., Loubar K. and **Tazerout M.**, *ENGINE PERFORMANCES AND EMISSIONS USING MIXTURES OF NATURAL GAS AND HYDROGEN: A CRITICAL REVIEW*, 4th Joint Czech-Hungarian-Polish-Slovak Thermoanalytical Conference., 24-27 June 2013 in Pardubice (Czech Republic).
- [B137]. Tarabet L., Lounici M. S., Loubar K., Khiari K. and **Tazerout M.**, *COMBUSTION CHARACTERISTICS OF BIODIESEL/NATURAL GAS IN DUAL FUEL DIESEL ENGINE*, 4th Joint Czech-Hungarian-Polish-Slovak Thermoanalytical Conference., 24-27 June 2013 in Pardubice (Czech Republic).
- [B138]. Loubar K., Kinata E., **Tazerout M.**, *HYDROLIQUEFACTION OF CCB-TREATED WOOD FOR BIO-OIL RECOVERY, WASTE2013*, Braga, Portugal, 11 – 13 September 2013.
- [B139]. TARABET L., Belmerabet T., Loubar K., Lounici M. S., **Tazerout M.**, *Dual Wiebe functions prediction of eucalyptus biodiesel/diesel fuel blends combustion in diesel engine applying artificial neural network*. SAE 2014 International Powertrain, Fuels & Lubricants Meeting, October 20-23, 2014, Birmingham, United Kingdom.
- [B140]. Kezrane C., Awad S., Loubar K., **Tazerout M.** and Liazid A., *Combustion Characteristics and Performance of a Biodiesel Fueled Compression Ignition Engine*, 7th International Conference on Thermal Engineering (ICTEA), 6 – 8 May 2014, Marrakesh, Morocco.
- [B141]. Lounici M. S., Loubar K., TARABET L., **Tazerout M.**, *Biogas valorization in Dual fuel engines*. SAE 2014 International Powertrain, Fuels & Lubricants Meeting, October 20-23, 2014, Birmingham, United Kingdom.
- [B142]. Nadia Mrad, Fethi Aloui, **Mohand Tazerout** *UPGRADE OF CORROSIVENESS NATURE OF FISH WASTE BIO-OIL USING A HYBRID CATALYST (MGO/NA(2)CO(3)) OPTIMIZATION PROCESS*, PROCEEDINGS OF THE ASME FLUIDS ENGINEERING DIVISION SUMMER MEETING, 2013, VOL 1C: SYMPOSIA, 2014, Incline Village, United States. 2014
- [B143]. Lounici M. S. , Loubar K. , TARABET L., BOUSSADI A., Nour M. and **Tazerout M.**, *Investigation of dual fuel engines operating with natural gas – hydrogen blends (HNG)*, 7th International Conference on Thermal Engineering (ICTEA), 6 – 8 May 2014, Marrakesh,

Le 22/11/2017



Morocco.

- [B144]. Awad S., Loubar K., **Tazerout M.**, *Experimental investigation on the effects of raw materials degradation on performance, combustion and emissions of a single cylinder engine running on biodiesel from waste lipids*, 22nd European Biomass Conference and Exhibition Setting the course for a biobased economy, 23 - 26 June 2014, Hambourg – Germany
- [B145]. Karim Khiari, Lyes Tarabet, Sary Awad, Khaled Loubar, Rachid Mahmoud, **Mohand Tazerout**, *Experimental investigation of pistacia lentiscus biodiesel as fuel for direct injection diesel engine*. 12th International Conference on Engines & Vehicles. Capri, Italie, 13-17 Septembre 2015
- [B146]. Karim Khiari, Lyes Tarabet, Sary Awad, Khaled Loubar, Rachid Mahmoud, **Mohand Tazerout**, *Biodiesel production from non edible oil using heterogeneous solid base catalysts*, 24th European Biomass Conference and Exhibition 6 – 9 June 2015, Amsterdam - The Netherlands
- [B147]. Akkouche N., Loubar K., Balistrrou M., **Tazerout M.**, *Etude cinétique de la pyrolyse des constituants de pneu hors d'usage*, Congrès SFT, 26 - 29 mai 2015, La Rochelle.
- [B148]. Tizzaoui M., Loubar K., **Tazerout M.**, Largeau J.F., Liazid A. *PURIFICATION DU GAZ DE SYNTHÈSE PAR TRAITEMENT CATALYTIQUE DES GOUDRONS SUR UN LIT DE CHARBON*, XIIème Colloque Interuniversitaire Franco-Québécois sur la Thermique des Systèmes 8-10 juin 2015, Sherbrooke Québec (Canada).

Le 22/11/2017



- [B149]. Lounici M. S., Loubar K., TARABET L., Balistrrou M., **Tazerout M.**, *Study of NG dual-fuel mode performance at full load*. 8th International Conference on Thermal Engineering: Theory and Applications May 18-21, 2015, Amman-Jordan.
- [B150]. Khiari K., Awad S., Loubar K., Tarabet L., Mahmoud R., **Tazerout M.**, *Production, Characterization and Engine Test of Biofuel from Non-Edible Oil*, 23rd European Biomass Conference and Exhibition, 1 - 4 June 2015, Vienne – Autriche
- [B151]. Whyte H., Loubar K., Awad S., **Tazerout M.**, *Energy Recovery from Refuse Derived Fuels: ZSM-5 Reuse and Regeneration in the Catalytic Pyrolysis of Refuse Derived Fuels*, 23rd European Biomass Conference and Exhibition, 1 - 4 June 2015, Vienne – Autriche

- [B152]. M. Pontié, C. Bardet, D. Levacher, Q. Douillard, E. Alyoun, S. Aawad, M. **Tazerout**, *Old reverse osmosis (RO) membranes : from autopsy to solutions for reuse*, 10-14 may 2015, Palermo, Sicily, Italy
- [B153]. Alkhatib R., Loubar K., Awad S., Mounif E. and **Tazerout M.**, *PERFORMANCE AND EMISSIONS OF A DIESEL ENGINE USING WASTE TIRE PYROLYSIS OIL BLENDS*, WasteEng 2016
- [B154]. Aklouche F.Z., Loubar K., Awad S., **Tazerout M.** and Bentebbiche A., *Experimental investigation of a dual-fuel pilot diesel ignition engine operating on biogas fuel*, 9th International Conference on Thermal Engineering: Theory and Applications, March 24-26 2016, Abu Dhabi.
- [B155]. Loubar K., Awad S., Alkhatib R., Mounif E., **Tazerout M.**, *Performance and emissions of a diesel engine using waste tire pyrolysis oil blends*, 6th International Conference on Engineering for Waste and Biomass Valorisation, May 23-26, 2016 - Albi (France)
- [B156]. R. Alloune, S. Awad, K. Loubar, M. Balistrou, M. **Tazerout**, *Biodiesel production by citrullus coloquinthis for internal combustion engines*, 9th International Conference on Thermal Engineering, March 24 to March 26, 2016, Abu Dhabi, UAE

Le 22/11/2017|



Annexes 3 :
Chapitres d'Ouvrages Scientifique

OS1. AWAD Sary, **TAZEROUT Mohand**, (2015) Energy science and Technology/Bioenergy
Biodiesel from Waste Cooking Oil: Elaboration and Combustion Modeling.
Studium LLC, USA, ISBN (10): 1-626990-68-9 volume 7, pp. 692 -714

OS2. L. Tarabet · K. Loubar · M.S. Lounici · S. Hanchi · **M. Tazerout** (2011)
Experimental evaluation of performance and emissions of DI diesel engine fuelled with eucalyptus biodiesel; Internal Combustion Engines: Improving Performance, Fuel Economy and Emissions,
Institution of Mechanical Engineers; Woodhead Publishing, ISBN: 978-0-85709-205-2, pp.167 - 176

Le 22/11/2017|



Brevets

1. Rahmouni, **M. Tazerout** et O. Le Corre
"Méthode de détermination des propriétés énergétiques d'un mélange gazeux"
Brevet N° 0110197

2. Chailleux Emmanuel, Audo Mariane, Bruno Bujoli, Queffélec Clémence, Legrand Jack, Paraschiv Maria, **Tazerout Mohand**, Lépine Olivier
Micro-algue pour bitume
Brevet français n° 13 59293 **2013**.

3. **Tazerout M.**, Bellettre J., Senthil Kumar M., Kerihuel A.,
Combustible liquide et procédé de production d'un tel combustible,
Brevet N° 04-10291, déposé le 29 septembre 2004, paru en 2006.

4. **Tazerout M.**, Bellettre J., Ollivier E.,
Dispositif non intrusif de détection du cliquetis dans un moteur à allumage commandé,
Brevet N° FR 06-03121, déposé le 7 avril 2006

5. Rahmouni, **M. Tazerout** et O. Le Corre
Méthode de détermination d'au moins une propriété énergétique d'un mélange combustible gazeux par mesure de propriétés physiques du mélange gazeux.
WO 2003012435 A1

Le 22/11/2017|

