

## **5. BIBLIOGRAFÍA**

AAE (agenciaandaluzadelaenergia), visitado julio 2015

AF (adrformación), visitado mayo 2015

Allen, C. A.; Watts, K. C.; Ackman, R. G. *Predicting the surface tension of biodiesel from their fatty acid composition*. Journal of the AOCS, nº 76, (1999) 317-323.

BD (biodiesel), visitado junio 2015

BDO (biodieselon), visitado junio 2015

BDS (biodisol), visitado junio 2015

Benjumea, P. M.; Álvarez, A. M.; Molina, A. P. *Predicción del efecto de la temperatura sobre la viscosidad del biodiésel de palma y sus mezclas con diésel convencional*. Energética, 2005

*BP Statistical Review of World Energy*. BP, 2015

Brooke, D. *Process for production of fatty acid methyl esters from fatty acid triglycerides*. US 6.712.867 B1, 2004

CCG (cambioclimaticoglobal), visitado junio 2015

Cheng, J., Chao, C., Ward, J., Chien, I et al. *Design and control of a biodiesel production process using sugar catalyst for oil feedstock with different free fatty acid concentrations*. Elsevier, Journal of the Taiwan Institute of Chemical Engineersm (2013) 76-84

Díaz-Ovalle, C. O. et al. *Metodología para el diseño óptimo de evaporadores de película descendente*. Instituto tecnológico de Roque, 2013

EHU (ehu), visitado junio 2015

Felizardo, P. et al. *Production of biodiesel from waste frying oils*. Elsevier, Waste Management, (2006) 487-494

Fleisher, C. *Apparatus and method for producing biodiesel fuel*. US 7.420.072 B2, 2008

Green, D. W.; Perry, R. H. *Perry's Chemical Engineers' Handbook*. 8ª ed. McGraw-Hill, 2008

Grupo Almena. *Catálogo técnico de tuberías* Grupo Almena, S.A., 2014

Gurski, S. M. et al. *System and process of biodiesel production*. US 8.192.696 B2, 2012

Hall, S. *Rules of Thumb for Chemical Engineers*. 5ª ed. Elsevier, 2012

JTF (journeytoforever), visitado mayo 2015

Lockman, I.; Rashid, Y.; Taufiq, Y.; yunus, R. *Methyl ester production from palm fatty acid distillate using sulfonated glucose-derived acid catalyst*. Elsevier, Renewable Energy, (2015) 347-354

McCabe, W. L.; Smith, J. L.; Harriot, P. *Operaciones unitarias en ingeniería química*. 7ª ed. McGraw-Hill, 2007

ML (miliarum), visitado julio 2015

Naik, S.; Goud, V.; Rout, P.; Dalai, A. *Production of first and second generation biofuels: A comprehensive review*. Elsevier, Renewable and Sustainable Energy Reviews, (2009) 578-597

Nauman, E. B. *Chemical reactor design, optimization, and scaleup*. McGraw-Hill, 2002

PS (Planetsave), visitado julio 2015

Rase, H. F. *Chemical Reactor Design for Process Plants*. John Wiley & Sons, 1977

Shu, Q. et al. *Reaction Kinetics of Biodiesel Synthesis from Waste Oil Using a Carbon-based Solid Acid Catalyst*. Chinese Journal of Chemical Engineering, nº 19, (2011) 163-168

SPX. *Evaporator Handbook*. SPX Corporation, 2008

Treybal, R. E. *Mass-Transfer Operations*. 3ª ed. McGraw-Hill, 1999

William B. Gloveer. *Selecting Evaporators for Process Applications*. CEP, 2004

Zhang, Y.; McLean, D.; Kates, M. *Biodiesel production from waste cooking oil: 1. Process design and technological assessment*. Elsevier, Bioresource Technology , (2003) 1-16

Zheng, S.; Kates, M.; McLean, D.; Dubé, M. *Acid-catalyzed production of biodiesel from waste frying oil*. Elsevier, Biomass and Bioenergy (2006) 267-272

Zong, M. et al. *Preparation of a sugar catalyst and its use for highly efficient production of biodiesel*. The Royal Society of Chemistry, Green Chemistry, (2007) 434-437