

Jatropha related publications from JatroSolutions & partners

Peer-reviewed publications

2018

Fröschle, M., H. Horn, O. Spring (2018). Characterization of *Jatropha curcas* L. hoenys originating from the southern highlands of Madagascar. LWT-Food Science and Technology, 93: 525-533. [Doi: 10.1016/j.lwt.2018.04.006](https://doi.org/10.1016/j.lwt.2018.04.006).

2017

Krome, C., F. Schuele, K. Jauncey, U. Focken (2017). Influence of a sodium formate/formic acid mixture on growth of juvenile common carp (*Cyprinus carpio*) fed different fishmeal replacement levels of detoxified *Jatropha curcas* kernel meal in practical, mixed diets. J. of Applied Aquaculture, Vol 30, Issue 2, 137-153. [Doi: 10.1080/1045s00217-016-2814-x](https://doi.org/10.1080/1045s00217-016-2814-x).

Senger, E., B. Bohlinger, St. Esgaib, L.C. Hernández-Cubero, J.M. Montes, K. Becker (2017). Chuta (edible *Jatropha curcas* L.), the newcomer among underutilized crops: a rich source of vegetable oil and protein for human consumption. Eur. Food Research and Technology, 243: 987-997. [Doi: 10.1007/s00217-016-2814-x](https://doi.org/10.1007/s00217-016-2814-x).

Hernández-Cubero, L.C., P. Ampofo, J.M. Montes, R.T. Voegelé (2017): Identification of pathogenic fungi and preliminary screening for resistance in *Jatropha curcas* L. germplasm. European Journal of Plant Pathology 149, 325–336. [Doi: 10.1007/s10658-017-1183-z](https://doi.org/10.1007/s10658-017-1183-z).

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Montes, J.M., M.E. Melchinger (2016). Domestication and Breeding of *Jatropha curcas* L. - Review Article. Trends in Plant Science, Vol 21, Issue 12, p. 1045-1057. [Doi: 10.1016/j.tplants.2016.08.008](https://doi.org/10.1016/j.tplants.2016.08.008).

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Senger, E., M. Martin, J.M. Montes. (2016). Parental and Heterotic in *Jatropha curcas* L. Seedlings. Tropical Plant Biol. [DOI 10.1007/s12042-016-9160-9](https://doi.org/10.1007/s12042-016-9160-9).

2015

Senger, E., M. Martin, J.M. Montes. (2015). Classification of *Jatropha curcas* L. genotypes into germplasm groups associated with the presence of phorbol esters by mean of seed characteristics. Industrial Crops and Products 78, 9-12

Montes, J.M., A. Bulach, M. Martin, E. Senger. (2015). Quantitative Trait Variation in Self- and Cross-Fertilized Seeds of *Jatropha curcas* L.: Parental Effects of Genotypes and Genetic pools. BioEnergy Research. [Doi: 10.1007/s12155-014-9576-8](https://doi.org/10.1007/s12155-014-9576-8).

2014

Becker, K., P. Lawrence. (2014). Carbon farming: the best and safest way forward? Carbon Management, 5 (1), 31-33.

Martin, M., J.M. Montes. (2014). Quantitative genetic parameters of agronomic and quality traits in a global germplasm collection reveal excellent breeding perspectives for *Jatropha curcas* L. GCB Bioenergy. [Doi: 10.1111/gcbb.12227](https://doi.org/10.1111/gcbb.12227).

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Senger, E., A. Peyrat, M. Martin, J.M. Montes (2014). Genetic variation in leaf chlorophyll content of *Jatropha curcas* L.. *Industrial Crops and products*, 58, 204-211.

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Devappa, R.K., S.K. Rajesh, H.P.S Makkar, K. Becker (2013). Antioxidant and antimicrobial potential of *Jatropha curcas* seed hulls. *Ind. Crops and Products* (accepted).

Francis, G., J. Oliver, M. Sujatha (2013). Non-toxic *Jatropha* plants as a potential multipurpose multi-use oilseed crop. *Industrial Crops and Products* 42, 397–401.

Kumar, V., W.K.B. Khalil, U. Weiler, K. Becker (2013). Influences of incorporating detoxified *Jatropha curcas* kernel meal in common carp (*Cyprinus carpio* L.) diet on the expression of growth hormone- and insulin-like growth factor-1-encoding genes. *Journal of Animal Physiology and Animal Nutrition*, 97(1), pp. 97–108.

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Montes, J.M., F. Technow, B. Bohlinger, K. Becker (2013). Grain quality determination by means of near infrared spectroscopy in *Jatropha curcas* L. Industrial Crops and Products, 43, 301-305.

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Devappa, R.K., H.P.S. Makkar, K. Becker (2012). Localisation of antinutrients and qualitative identification of toxic components in *Jatropha curcas* seed. J Sci Food Agric. 2012 May, 92(7), pp. 1519-25.

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Martinez-Herrera, J., C.J. Martinez, A.M. Ayaly, L.G. Siciliano, R.M. Escobedo, G. Davila-Ortiz, G.C. Cevallos, H.P.S. Makkar, G. Francis, K. Becker (2012). Evaluation of the nutritional quality of non-toxic kernel flour from *Jatropha curcas* L. in rats. *Journal of Food Quality* 35, (2) 152–158.

Nithiyantham, S., P. Siddhuraju, G. Francis (2012). Potential of *Jatropha curcas* as a biofuel, animal feed and health products. *Journal of the American Oil Chemists' Society*, 89, 961-972.

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Harter, T., F. Buhrke, V. Kumar, U. Focken, H.P.S. Makkar K. Becker (2011). Substitution of fish meal by *Jatropha curcas* kernel meal: Effects on growth performance and body composition of white leg shrimp (*Litopenaeus vannamei*). *Aquaculture Nutrition*, 17 (5), pp. 542–548. 3

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Kumar, V., H.P.S. Makkar, R.K. Devappa, K. Becker (2011). Isolation of phytate from *Jatropha curcas* kernel meal and effects of isolated phytate on growth, digestive physiology and metabolic changes in Nile tilapia (*Oreochromis niloticus* L.). *Food and Chemical Toxicology*, 49 (9), pp. 2144-2156.

Makkar H.P.S., V. Kumar, O.O. Oyeleye, A.O. Akinleye, M.A. Angulo-Escalante, K. Becker (2011). *Jatropha platyphylla*, a new non-toxic *Jatropha* species: Physical properties and chemical constituents including toxic and antinutritional factors of seeds. *Food Chemistry*, 125 (1), 1 March 2011, pp. 63–71.

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