ods, *Mediterranean Journal of Mathematics*, Vol. 4 (2007) 343–356.

[13] J.C. Fodor and M. Roubens, Fuzzy Preference Modelling and Multicriteria Decision Support, *Theory and Decision Library, serie D: System theory, Knowledge Engineering and Problem Solving*, Kluwer Academic Publishers, Dordrecht, 1994.

[14] Grabisch, M., Marichal, J.L., Mesiar, R., Pap, E.: Aggregation functions. In: Encyclopedia of Mathematics and its Applications **127**, Cambridge University Press (2009)

[15] Jwaid, T., De Baets, B., Kalická, J., Mesiar, R.: Conic aggregations functions. Fuzzy Sets and Systems **167**, 3–20 (2011)

[16] D. Hliněná, M. Kalina and P. Král, Implication functions generated using functions of one variable, in M. Baczyński, G. Beliakov, H. Bustince Sola and A. Pradera, editors, *Advances in Fuzzy Implication Functions*, vol. 300 of *Studies in Fuzziness and Soft Computing*, pp. 125-154, Springer-Verlag, 2013.

[17] E. Kerre amd M. Nachtegael, *Fuzzy techniques in image processing*, vol. 52 of *Studies in Fuzziness and Soft Computing*, Springer-Verlag, New York, 2000.

[18] E.E. Kerre, C. Huang and D. Ruan, Fuzzy Set Theory and Approximate Reasoning, Wu Han University Press, Wu Chang, 2004.

[19] Maes, K.C., De Baets, B.: A contour view on uninorm properties. Kybernetika **42**, 303–318 (2006)

[20] Maes, K.C., De Baets, B.: Negation and affirmation: the role of involutive negators. Soft Computing **11**, 647–654 (2007)

[21] M. Mas, M. Monserrat and J. Torrens, QL versus D-implications, *Kybernetika*, 42 (2006) 351–366.

[22] M. Mas, M. Monserrat and J. Torrens, Two types of implications derived from uninorms, *Fuzzy Sets and Systems*, 158 (2007) 2612–2626.

[23] M. Mas, M. Monserrat, J. Torrens and E. Trillas, A survey on fuzzy implication functions, *IEEE Transactions on Fuzzy Systems*, Vol. 15 (6) (2007) 1107-1121.

[24] S. Massanet and J. Torrens, On a new class of fuzzy implications: h-Implications and generalizations, *Information Sciences*, 181 (2011) 2111 - 2127.

[25] S. Massanet and J. Torrens, An overview of construction methods of fuzzy implications, in M. Baczyński, G. Beliakov, H. Bustince Sola and A. Pradera, editors, *Advances in Fuzzy Implication Functions*, vol. 300 of *Studies in Fuzziness and Soft Computing*, pp. 1–30, Springer-Verlag, 2013.

[26] Y. Ouyang, On fuzzy implications determined by aggregation operators. *Information Sciences*, 193 (2012) 153–162.

[27] Y. Shi, B. Van Gasse and E.E. Kerre, Fuzzy implications: Classification and a new class, in M. Baczyński, G. Beliakov, H. Bustince Sola and A. Pradera, editors, *Advances in Fuzzy Implication Functions*, vol. 300 of *Studies in Fuzziness and Soft Computing*, pp. 31-52, Springer-Verlag, 2013.

[28] E. Trillas, M. Mas, M. Monserrat and J. Torrens, On the representation of fuzzy rules, *International Journal of Approximate Reasoning*, 48 (2008) 583-597.

[29] R.R. Yager, On some new classes of implication operators and their role in approximate reasoning, *Information Sciences*, 167 (2004) 193–216.