Prénom : **Christophe**

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Liste de Publications 2009-2013 :

Neau E., Hernández-Garduza O., Escandell J., Nicolas C. and Raspo I., 2009, "The Soave, Twu and Boston–Mathias alpha functions in cubic equations of state: Part I. Theoretical analysis of their variations according to temperature", Fluid Phase Equilibria, 276 (2) : 87-93.

Neau E., Raspo I., Escandell J., Nicolas C. and Hernández-Garduza O., 2009, "The Soave, Twu and Boston–Mathias alpha functions in cubic equations of state. Part II. Modeling of thermodynamic properties of pure compounds", Fluid Phase Equilibria, 276 (2) : 156-164.

Dierking J., Wafo E., Schembri T., Lagadec V., Nicolas C., Letourneur Y. and Harmelin-Vivien M., 2009, "Spatial patterns in PCBs, pesticides, mercury and cadmium in the common sole in the NW Mediterranean Sea, and a novel use of contaminants as biomarkers." Marine Pollution Bulletin, 58 : 1605–1614.

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Amor S., Nicolas C., Neau E. and Escandell J., 2010. "Diffusion Coefficients of Organic Compounds at Infinite Dilution in Ternary Mixtures: Experimental Determinations and Modeling." J. Chem. Eng. Data. (submitted)

Escandell J, Neau E. and Nicolas C., 2011. "A new formulation of the predictive NRTL-PR model in terms of kij mixing rules. Extension of the group contributions for the modeling of hydrocarbons in the presence of associating compounds." Fluid Phase Equilibria, Volume 301, Issue 1, 15, Pages 80-97

Liste de Communications 2009-2013 :

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European Symposium on Applied Thermodynamics, Santiago di Compostela (Espagne), 27 juin-1°juillet 2009. Actes: 194.

Dierking J., Wafo E., Lagadec V., Schembri T., Nicolas C., Letourneur Y. and Harmelin-Vivien M., 2009, "Spatial patterns in persistent contaminants in the common sole in the NW Mediterranean: insights into environmental sources of contamination, and a novel application as biomarkers of fish population structure and migrations." 44th European Marine Biology Symposium, Liverpool (England) 7-11 september 2009. Actes: 116.

Neau E., Escandell J., Raspo I. and Nicolas C., 2010, "A new reference state for cubic EoS/GE models." 12th International Conference on Properties and Phase Equilibria for Product and Process Design, Suzhou (China), 16-21 May 2010. Actes: 145.

Amor S., Neau E., Nicolas C. and Escandell J., 2010, "Diffusion Coefficients of Organic Compounds at Infinite Dilution in Multicomponent Mixtures: Experimental Determination and Modeling." 32nd National Congress on Calorimetry, Thermal Analysis and Applied Thermodynamics, Trieste (Italie), 26-28 May 2010. Actes: 185.

Neau E., Escandell J., Nicolas C., 2011 "The NRTL-PR equation for the modelling of synthetic petroleum fluids with associating compounds: prediction of phase envelopes and influence of lumping/delumping procedures" 25th European Symposium ion Apllied Thermodynamics, Saint Peterburg (Russia) 24-27 June 2011, Actes 125.

2012, Postdam (Deutschland)

2013, Iguazu (Argentina)

<u>Collaborations (nationales et/ou internationales) avec d'autres laboratoires de Recherche :</u>

Programme INCOMMET : *Improving National Capacities in Observation and Management of Marine Environment in Tunisia* (FP7-INCO-2011-6, ERA-WIDE)

The INCOMMET project, coordinated by the National Institute of Marine Sciences and Technologies (INSTM), the major public research institution in Tunisia in the field of oceanography and marine environments, and also involving the Aix-Marseille Université (AMU, France) and the Zoological Station of Naples (SZN, Italy) aims at increasing research excellence and visibility of INSTM, and fostering its participation into ERA.