



## Publications linked to oral communications and posters presented during ISLS 2018

### A: Analytical development of luminescence methods (environment analysis and monitoring, drug analysis, food analysis, ....)

**1 – Development of a new automatic on-site detector of pesticides in natural waters by photo induced fluorescence, application to three phenylurea and benzoylurea herbicide.** J. P. Bakhoun, O. M. A. Mbaye, P. A. Diaw, M. Mbaye, L. Cisse, M. D. Gaye-Seye, J.-J. Aaron, A. Coly, B. Le Jeune, P. Giamarchi. *Spectrochimica Acta Part A*, 2019, Vol 214, 285-293. <https://doi.org/10.1016/j.saa.2019.02.034>

**2 - Ultraviolet photo-induced fluorescence followed by laser excitation (UV-PIF-LE) for the determination of herbicides in natural waters.** J. P. Bakhoun, O. Mbaye, P. Diaw, M. Mbaye, L. Cisse, D. Gaye-Seye, J.J. Aaron, A. Coly, B. Le Jeune, P. Giamarchi. *Analytical Letters*, 2019, Vol 52, 2782-2793. [doi.org/10.1080/00032719.2019.1604724](https://doi.org/10.1080/00032719.2019.1604724)

**3 – Combination of photo-induced fluorescence and GC-MS for elucidating the photo degradation mechanisms of diflufenburon and fenuron pesticides.** P. A. Diaw, O. M. A. Mbaye, D. D. Thiaré, N. Oturan, M. D. Gaye-Seye, A. Coly, B. Le Jeune, P. Giamarchi, M. A. Oturan, J.-J. Aaron. *Luminescence*, 2019, Vol 34, 465-47. <https://doi.org/10.1002/bio.3612>

**4 – Phototransferred thermoluminescence and thermally-assisted optically stimulated luminescence dosimetry using  $\alpha$ -Al<sub>2</sub>O<sub>3</sub>:C,Mg annealed at 1200 °C.** J.M. Kalita, M.L. Chithambo. *Journal of Luminescence*, 2019, Vol 205, 1-6. <https://doi.org/10.1016/j.jlumin.2018.08.085>

### B: Biology and medicine luminescence techniques (biophysics, membranes study, FRET, proteomics, metabolomics, ... )

**1 – Review on Ecology, Pathogenicity, Genetics and Applications of Bioluminescent Bacteria.** Ramesh, CH. and Mohanraju, R. A., *J. Terr. Mar. Res.*, 2019 3 (2): 1-32. <https://doi.org/10.32610/JTMR.2019.v03i02.001>

## **C: New fluorescence probe and chemosensor (synthesis, fluorescence properties, applications,...)**

**1 – Optimization of aggregation-induced phosphorescence enhancement in mononuclear tricarbonyl Rhenium(I) complexes: The influence of steric hindrance and isomerism.** J. Wang, A. Poirot, B. Delavaux-Nicot, M. Wolff, S. Mallet-Ladeira, J. P. Calupitan, C. Allain, E. Benoist, S. Fery-Forgues. Dalton Transactions, 2019. <https://doi.org/10.1039/C9DT02786F>

**2 – Carbazole- and triphenylamine-substituted pyrimidines: synthesis and photophysical properties.** S. Achelle, J. Rodriguez-Lopez, M. Larbani, R. Plaza-Pedroche, F. Robin-le Guen Molecules 2019, 24, 1742 <https://doi.org/10.3390/molecules24091742>

## **D: Nanomaterials and quantum dots luminescence and applications**

**1 – Confinement-Induced Electronic Excitation Limitation of Anthracene: The Restriction of Intramolecular Vibrations;** Lotfi Boudjema, Guillaume Toquer, Altaf H. Basta, Philippe Trens, Dan A. Lerner. The Journal of Physical Chemistry C 122(49), 2018 <https://doi.org/10.1021/acs.jpcc.8b09904>

**2 – Photostability of quantum dot micelles under ultraviolet irradiation,** Shanmugavel Chinnathambi, Nobutaka Hanagata, Luminescence, 2019, 472-479