

## Poster titles

Sustainable carbon catalysts for the oxygen reduction reaction, **K. Preuss, L. C. Tănase, C. M. Teodorescu and M.-M. Titirici**, *Queen Mary University of London, UK*

From biowaste to fluorescent carbon quantum dots, **N. Papaioannou, A. Sapelkin and M. Titirici**, *Materials Research Institute, Queen Mary University of London, UK*

Non-edible fats as source of threo-9,10-dihydroxystearic acid and related esters, **P. Gallart-Sirvent, G. Villorbina, M. Balcells, M. Torres and R. Canela-Garayoa**, *Lleida University, Spain*

Effect of rare sugars for seed germination, **T. Semachi, M. Nagao, S. Usuki, K. Yamatoya and K. Nakata**, *Tokyo University of Science, Japan*

Design of organic peroxide generation with metal-supported photocatalyst and application to sporicidal performance, **K. Iwasaki, Y. Yamaguchi, K. Yamatoya, C. Terashima, K. Katsumata, N. Suzuki, A. Fujishima, H. Sakai and K. Nakata**, *Tokyo University of Science, Japan*

Sterilization of *Anabaena* by TiO<sub>2</sub> photocatalysis and mechanism analysis, **M. Tano, T. Tomo, C. Terashima, K. Katsumata, N. Suzuki, A. Fujishima, K. Yamatoya and K. Nakata**, *Tokyo University of Science, Japan*

Esters production *via* the carboxylate platform: recovery and esterification of carboxylates using CO<sub>2</sub>-expanded alcohols, **C. I. Cabrera-Rodríguez, L. A. M. van der Wielen and A. J. J. Straathof**, *Delft University of Technology, Netherlands*

Graphitic carbon materials with chiral nematic liquid crystalline phases derived from nanocrystalline cellulose, **F. Xie, H. Luo and M. Titirici**, *Queen Mary University of London, UK*

Efficient isolation and deconstruction of lignin in alternative reaction media, **D. S. Zijlstra, H. J. Heeres and P. J. Deuss**, *University of Groningen, Netherlands*

Lignin-derived carbon nanofibres for flexible energy storage, **S. Herou and M. Titirici**, *Queen Mary University of London, UK*

Future biorefineries through integrated chemical and biological technologies, **J. Fan, F. Santomauro, V. Budarin, J. Clark and C. Chuck**, *Green Chemistry Centre of Excellence, University of York, UK*

Catalysed transesterification of triglycerides and methanol by activated bovine bone, **S. M. Smith, S. Chaveanghong, C. Oopathum, V. Weeramongkhonlert**

**P. Ketwong, C. Smith, A. Luengnaruemitchai and S. Boonyuen**, *Department of Chemistry, Faculty of Science, Mahidol University, Thailand*

The application and limitations of cyrene as a bio-derived alternative to DMF, **K. Wilson, A. Watson, C. Jamieson and J. Murray**, *University of Strathclyde, UK*

Valorisation of metal-treated waste wood using low-cost ionic liquids, **F. Gschwend, L. Hennequin, J. Hallett, P. Fennell, A. Brandt and G. H. Kelsall**, *Imperial College of London, UK*

Renewable production routes for Nylon-6 precursor: techno-economic analysis for caprolactam, **V. Thaore, I. Graça, D. Chadwick and N. Shah**, *Imperial College London, UK*

Investigation of biomass-based anode electrodes in Na-ion batteries, **H. Alptekin, P. Yilmaz and M. M. Titirici**, *Queen Mary University of London, UK*

Optimisation of enzymatic detoxification of pulp liquors, **L. Sparlinek, V. Leitner and K. Wöss**, *Wood K plus Kompetenzzentrum Holz, Austria*

NEWFERT: nutrient recovery from biobased waste for fertilizer production, **A. Martínez Gracia and A. Garrido-Escudero**, *Drage & Mate International, S.L.*

Intelligent approach to solvent substitution: identification of a new class of levoglucosenone derivatives, **A. Alves Costa Pacheco, J. Sherwood, A. Zhenova, C. R. McElroy, A. J. Hunt, H. L. Parker, T. J. Farmer, A. Constantinou, M. De bruyn, A. C. Whitwood, W. Raverty and J. H. Clark**, *University of York, UK*

Development of bio-based hydrogel carrier for controlled release water and fertilizer, **Y. C. Chen and Y.-H. Chen**, *National Chung Hsing University, Chinese Taipei*

On the effect of acid additives on the catalytic upstream biorefining of lignocelluloses, **C. Chesi, C. Rezende, T. Upcraft and R. Rinaldi**, *Imperial College London, UK*

Confocal microscopy as a new tool for the semi-quantitative analysis of lignocellulosic biomass, **Y. Luo, J. Fan, V. L. Budarin, J. Marrison, C. Hu and J. H. Clark**, *Sichuan University, China*

The Faraday Discussions Poster Prize for the best poster was jointly awarded to Mr Servann Herou of the *Queen Mary University of London, UK*, for his poster on “Lignin-derived carbon nanofibres for flexible energy storage” and Ms Anna Zhenova of the *University of York, UK*, for her poster on “Intelligent approach to solvent substitution: identification of a new class of levoglucosenone derivatives”.