

Editorial

Young Scientists Journal is proud to present Issue 14. Thanks must go to Fiona Jenkinson who has led the journal to great heights over the past year and has now handed the job of Chief Editor over to me. I am very excited to be working amongst such a committed team of young scientists and I hope to ensure the journal's continuing success over the coming year. Emily Thompsett and Rachel Wyles are welcomed as the new Editorial Team leaders, taking over from Chloe Forsyth who must be thanked for her commitment to the journal and leadership of the Editorial Team. One of the challenges of a completely student run journal is that every year we lose many dedicated members of the team as they go to University, but we have great plans for the future of the journal and would be interested to hear from any young scientist who would like to contribute in any way from editing to web design and marketing.

This issue sees the publication of the winning entries of the photography competition 2013, a taster of which you can see on the front cover which is Jack Campbell's high magnification photograph of aspirin crystals. Articles on topics ranging from astronomy to mathematics have been put together in this issue, including one original research article in which Adam Dando investigates optimising particle size in sand to improve its efficiency as a water treatment medium. In a world where the availability of safe drinking water is a concern, this article provides an insight into using sand as a low cost method for purification.

Georgios Topaloglou explores the science of unpredictability in his article on Chaos Theory whilst Alex Ausden guides us to a new perspective on how we scale things around us in his article 'A Sense of Scale', taking us from the Great Wall of China to Superclusters and voids in space. At the other end of the scale Lucy Hayes looks at the uses of the hydrogen peroxide molecule in and outside of the human body. Finally, we visit one of the seven natural wonders of the world in Andrew Watson's article on the Aurorae, commonly known as the Northern Lights.

I hope that you enjoy reading this issue of Young Scientists Journal. I would like to thank all of the authors for submitting their articles to us and all the members of the Editorial and Technical teams who find time for the journal despite their work towards public examinations. Once again Miss Christina Astin and Professor Ghazwan Butrous must be thanked for their continuing guidance and direction.



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Chief Editor

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