

Nirbhay N Yadav - Publications and Conferences

Book Chapters

- Yadav N.N. and Price W.S. (2007) Effects of Polydispersity on PGSE NMR coherence features. In: Diffusion Fundamentals II (S. Brandani, C. Chmelik, J. Kärger, and R. Volpe, Eds.), Leipzig University Press, pp. 40-51. (Invited chapter). (ISBN: 978-3-86583-209-2)
- Yadav N. N., Stait-Gardner T., and Price W.S. (2008) Hardware considerations for Diffusion MRI. In: Diffusion MRI (D. Jones, Ed.), Oxford University Press, In Press (16 Oct 2008). (Invited chapter).
- Stait-Gardner T., Willis S.A., Yadav N.N., Zheng G., and Price W.S. (2009) NMR diffusion measurements in complex systems. In: Diffusion Fundamentals III, Leipzig University Press, In Press.

Journal Publications

- Yadav N.N., Maheswaran S., Shutthanandan V., Thevuthasan S., Ngo H. H. and Vigneswaran S. (2006) Quantification of Arsenic in Activated Carbon using Particle Induced X-ray Emission. Nuclear Instruments and Methods in Physics Research B 251, 191-196.
- Yadav N.N., Maheswaran S., Shutthanandan V., Thevuthasan S., Ngo H. H. and Vigneswaran S. (2006) Comparison of Analytical Techniques for Analysis of Arsenic Adsorbed on Carbon. Water Quality Research Journal of Canada 41, 185-189.
- Yadav N.N., Torres, A.M., and Price, W.S. (2008) An improved approach to calibrating high magnetic field gradients for pulsed field gradient experiments. Journal of Magnetic Resonance 194, 25-28.
- Yadav N.N. and Price W.S. (2009) Impediments to the accurate structural characterisation of a highly concentrated emulsion using NMR diffusion diffraction. Journal of Colloid and Interface Science, In Press (24 June 2009).

Conference Proceedings

- Yadav N.N., Maheswaran S., Shutthanandan V., Thevuthasan S., Ngo H. H. and Vigneswaran S. (2005) Quantification of Trace Metals in Adsorbents. In: 16th Australian Institute of Physics National Congress, Canberra, Australia (ISBN 0-9598064-8-2) (Australian Institute of Physics, 2005).
- Yadav N.N., Maheswaran S., Shutthanandan V., Thevuthasan S., Ngo H. H. and Vigneswaran S. (2004) Sample preparation techniques in trace element analysis of adsorbents. In: Proceedings of the 10th International Conference on Particle-induced X-ray Emission and its Analytical Applications, Ljubljana-Portorož, Slovenia (ISBN 961-6303-62-7) (J. Stefan Institute, 2004).
- Yadav N.N., Maheswaran S., Shutthanandan V., Thevuthasan S., Ngo H. H. and Vigneswaran S. (2003) Quantification of trace metals in solids with inhomogeneous internal structure using proton induced x-ray emission (PIXE). In: Proceedings of the 13th Australian Conference on Nuclear Techniques of Analysis

& 7th Vacuum Society of Australia Congress, Lucas Heights, Australia. (ISBN 0-9577217-9-X) (AINSE, 2003) pp 93-96.

- Maheswaran S., Yadav N.N., Shutthanandan V., Thevuthasan S., Ngo H. H. and Vigneswaran S. (2003) Evaluating The Use Of Proton Induced X-Ray Emission (PIXE) Technique In: Quantifying The Arsenic In An Adsorbent. In: Proceedings of Asian WaterQual 2003, Bangkok, Thailand (CD-ROM)
- Yadav N.N., Maheswaran S., Shutthanandan V., Thevuthasan S., Ngo H. H. and Vigneswaran S. (2003) Can We Quantify Trace Metals In An Adsorbent Using Proton Induced X-Ray Emission (PIXE)? In: Proceedings of the 27th Annual A & NZIP Condensed Matter and Materials Meeting, Wagga Wagga, Australia (ISBN 0-9598064-6-6) (Australian Institute of Physics, 2003) pp 92-94.

Presentations

Oral

- Yadav N.N. Zheng, G., Stait-Gardner, T. and Price, W.S*. (2007) Characterising PGSE coherence features of polydisperse samples. Structure Dynamics in Soft Condensed Matter, Fiskebäckskil, Sweden. (Invited Lecture).
- 10th International Conference on Particle-Induced X-ray Emission and its Analytical Applications, 4-8 June 2004, Ljubljana-Portorož, Slovenia.
- 13th Australian Conference on Nuclear Techniques of Analysis & 7th Vacuum Society of Australia Congress, 26-28 November 2003, Lucas Heights, NSW, Australia.

Poster

- 7th Australian and New Zealand Society for Magnetic Resonance Conference, 7 – 11 December 2008, Couran Cove, Australia.
- 16th Triennial conference for the International Society for Magnetic Resonance, 14-19 October 2007, Kenting, Taiwan.
- Diffusion Fundamentals II: Basic Principles of Theory, Experiment and Application, 26-29 August 2007, L'Aquila, Italy.
- 16th Australian Institute of Physics National Congress, 30 January – 4 February 2005, Canberra, Australia.
- 27th Annual Australian & NZ Institute of Physics Condensed Matter and Materials Meeting, 4-7 February 2003, Wagga Wagga, NSW, Australia.