SMS instruments are used over a wide range of disciplines. To keep abreast with cutting edge research using dynamic vapor sorption and inverse gas chromatography, SMS regularly reviews the literature. The below papers present recent peer-reviewed articles utilizing gravimetric vapor sorption or inverse gas chromatography.

**DVS Articles:**


J Seo, G Jeon, ES Jang, SB Khan, and H Han, "Preparation and properties of poly(propylene carbonate) and nanosized ZnO composite films for packaging applications" Journal of Applied Polymer Science, 122(2): 1101-1108 (2011).


AV Gerasimov, MA Ziganshin, AE Vandyukov, VI Kovalenko, VV Gorbatchuk, AM Caminade, and JP Majoral, "Specific vapor sorption properties of phosphorus-containing..."
IGC Articles:


R Ho, SE Dilworth, DR Williams, and JYY Heng, "Role of surface chemistry and energetics in high shear wet granulation" Industrial & Engineering Chemistry Research, 50(16): 9642-9649 (2011).


New SMS Publications:

P Miao, M Naderi, M Acharya, DJ Burnett, and J Khoo, “Gas capture and vapour separation by microporous materials” DVS Application Note 51.


Upcoming Conferences:


  - Oral Presentation: "Introduction to the iGC-SEA and Surface Energy Heterogeneity"; Wednesday, 12 October 2011 at 11.00 - 11.30 am, in Hall 8.

**MiBio 2011**: West London, UK; 18 October 2011; Exhibitor


  - Poster presentations:
    - **W4254** "Determination of glass transition and crystallization points of lactose as a function of temperature and humidity”
    - **W4255** "Affect of Processing Route on the Physical Properties of Amorphous Indomethacin”
    - **W4253** "Using Dispersive Surface Energy and Effective Amorphous Surface Area to Quantify Surface Amorphous Content”
    - **W4322** "Surface energy distributions and the dissolution rate of aspirin”

**Western Coatings Symposium**: Las Vegas, NV, USA; 24-26 October 2011.


**Powder Flow 2011**: London, UK; 6 December 2011; Poster presentation.

**SMS Training:**

SMSNA Office: Email Science@smsna.com for details.

SMSUK Office: Email Science@smsuk.co.uk for details.