

Publications : Conference Presentations: 2007

1. **Allemann, A., Wadiwala, E., Learmonth, R., Bonnet, S.L., & Van der Westhuizen, J.H.** 2007. *Direct extraction of rose geranium oil from oil glands and trichomes to determine chemical composition.* Poster presentation at the Chemrawn XII Conference on 'The Role of Chemistry in Sustainable Agriculture and Human Wellbeing in Africa'. 2-5 December.
2. **Brink, A., Cloete, N., Roodt, A. & Visser, H.G.** 2007. *Ring a ring of rosies, a pocket full of phosphines.* Oral presentation at the Rhemantec International Symposium, Bloemfontein, South Africa. 14-24 November.
3. **Brink, A., Roodt, A. & Visser, H.G.** 2007. *The effect of group 15 ligands on selective rhodium(I) model complexes.* Poster presented at the Conference of the Catalysis Society of South Africa (CATSA) symposium, Richards Bay, South Africa. 11-14 November.
4. **Coetzee, M.P., Venter, J.A. & Purcell, W.** 2007. *[Rh(LL')(CO)(DPP)] as potential catalytic model.* Oral presentation at the Symposium in the Natural Sciences. University of Pretoria, South Africa. 2 November.
5. **Conradie, J. & Conradie, M.M.** 2007. *Chemical kinetics and stereochemistry of the reaction mechanism of Rh(I)-beta-diketonato complexes [Rh(C₅H₄SCoCHCOR)-(CO)(PPh₃)] with iodomethane: An NMR study.* Oral presentation at Bruker NMR User Meeting, Coffee Bay, South Africa. 24-26 January.
6. **Dikobe, D.G. & Luyt, A.S.** 2007. *Thermal and mechanical properties of PP/EVA-WF and MAPP/EVA-WF polymer blend composites.* Poster presented at the International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, Their Composites, Blends, IPNs and Gels: Macro to Nano Scale, Mahatma Gandhi University, Kottayam, India. 19-22 November.
7. **Han, Z., Bonnet, S.L. & Van der Westhuizen, J.H.** 2007. *Synthesis of xanthine derivatives by photochemical transformations of pentoxifylline: A bidentate chromophore.* Poster presented at the International Symposium on Advances in Synthetic and Medicinal Chemistry of the European Federation for Medicinal Chemistry (EFMC), St Petersburg, Russia. 27-31 August.
8. **Janse van Rensburg, J.M., Muller, A. & Roodt, A.** 2007. *Kinetic studies on various rhodium(I) oxinato phosphine complexes.* Poster presented at the Conference of the Catalysis Society of South Africa (CATSA), Richards Bay, South Africa. 11-14 November.
9. **Kirsten, L., Steyl, G. & Roodt, A.** 2007. *Carboxylato rhodium(I) phosphite complexes as precursors in hydroformylation catalysis.* Poster presented at the Conference of the Catalysis Society of South Africa (CATSA), Richards Bay, South Africa. 11-14 November.
10. **Kirsten, L., Steyl, G. & Roodt, A.** 2007. *Rhodium carboxylato phosphite and phosphonite complexes as catalysts.* Oral presentation at the Rhemantec International Symposium, Bloemfontein, South Africa. 14-24 November.
11. **Luyt, A.S. & Dikobe, D.G.** 2007. *Thermal and mechanical properties of PP/EVA-WF and MAPP/EVA-WF polymer blend composites.* Oral presentation at Composites 2007, Port Elizabeth, South Africa. 10-13 December.
12. **Luyt, A.S., Mishra, A.K. & Mishra, S.B.** 2007. *Effect of sol-gel derived nano-silica on the thermal and mechanical properties of low-density polyethylene/wood fibre composites.* Oral presentation at the 3rd China-Europe Conference on processing and properties of reinforced polymers, Budapest University of Technology & Economics, Budapest, Hungary. 11-15 June.
13. **Luyt, A.S., Mishra, S.B. & Mishra, A.K.** 2007. *Influence of organic peroxides on morphology and properties of EVA-organoclay nanocomposites.* Oral presentation at the 46th Micro Symposium On Nanostructured Polymers And Polymer Nanocomposites, Academy of Sciences of the Czech Republic, Prague, Czech Republic. 8-12 July.
14. **Luyt, A.S. & Mngomezulu, M.E.** 2007. *Phase change materials based on polyethylene, paraffin wax and wood flour.* Invited oral presentation presented at the International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, Their Composites, Blends, IPNs And Gels: Macro To Nano Scale, Mahatma Gandhi University, Kottayam, India. 19-22 November.
15. **Mavunkal, I.J., Noll, B.C., Meijboom, R., Muller, A. & Felner, T.P.** 2007. *Hypoelectronic clusters: Are they deviant clusters or part of the same class?* Oral presentation at the Rhemantec International Symposium, Bloemfontein, South Africa. 14-24 November.
16. **Meijboom, R.** 2007. *Pandora's box and Medusa's molecule – dendrimers as drug delivery vehicles.* Oral presentation at the Rhemantec International Symposium, Bloemfontein, South Africa. 14-24 November.
17. **Mogudi, B.M., Meijboom, R. & Roodt, A.** 2007. *Phosphite modified cobalt catalysts for 1-alkene hydroformylation.* Poster presentation at the Conference of the Catalysis Society of South Africa (CATSA), Richards Bay, South Africa. 11-14 November 2007.
18. **Montsho, R.M., Bonnet, S.L. & Van der Westhuizen, J.H.** 2007. *The reaction between α -keto acids and phloroglucinol.* Poster presented at the International Symposium on Advances in Synthetic and Medicinal Chemistry of the European Federation for Medicinal Chemistry (EFMC), St Petersburg, Russia. 27-31 August.
19. **Mtshali, T., Purcell, W. & Basson, S.S.** 2007. *A Crystallographic and kinetic study of the formation of tricyanonitrido (κ^2 N,O)rhenate(V) ions.* Oral presentation at the Rhemantec International Symposium, Bloemfontein, South Africa. 14-24 November.

20. **Roodt, A.** 2007. *Implications for nuclear medicine from mechanistic studies on substitution reactions in complexes of the manganese triad.* Keynote lecture presented at the Rhemantec International Symposium, Bloemfontein, South Africa. 14-24 November.
21. **Roodt, A.** 2007. *Solving difficult coordination chemistry problems with multi-nuclear NMR.* Invited oral presentation at Bruker NMR User Meeting, Coffee Bay, South Africa. 24-26 January.
22. **Roodt, A., Meijboom, R. & Venter, G.J.S.** 2007. *Supramolecular coordination chemistry of silver phosphine complexes.* Invited oral presentation at Inorg 007, Conference of the South African Chemical Institute, Club Mykonos, Langebaan, South Africa. 8-12 July.
23. **Roodt, A. & Botha, J.M.** 2007. *Implications for nuclear medicine from a kinetic and high-pressure mechanistic study on substitution in Re(V) and Tc(V) complexes.* Invited oral presentation at the 4th Cancer Association of South Africa (CANS) COLLOQUIUM, Pretoria, South Africa. 2-4 September.
24. **Schutte, M., Roodt, A. & Visser, H.G.** 2007. *Rhenium(I) compounds in nuclear medicine: Crystallographic and kinetic investigation of different $[Re(CO)_3(L1)(L2)]^{n+}$ complexes.* Oral presentation at the Rhemantec International Symposium, Bloemfontein, South Africa. 14-24 November.
25. **Steyl, G.** 2007. *UFS-HPC and chemistry: A review.* Invited oral presentation at the National Super Computing Congress (CHPC), Cape Town, South Africa. 3-5 December.
26. **Steyl, G., Roodt, A. & Engelbrecht, H.P.** 2007. *Spectroscopic and theoretical investigation of the isomerisation of $[Re(O)_2(Eten)_2]^+$ and related complexes.* Oral presentation at the Rhemantec International Symposium, Bloemfontein, South Africa. 19-24 November.
27. **Steyn, M., Steyl, G. & Roodt, A.** 2007. *Speciation and interconversion mechanism of mixed fluoro and O,O- and O,N-bidentate ligand complexes of Zirconium.* Oral presentation at the Rhemantec International Symposium, Bloemfontein, South Africa. 14-24 November.
28. **Swarts, J.C.** 2007. *An overview of metallocene-containing anticancer drugs.* Invited oral presentation at the 4th Cancer Association of South Africa (CANS) COLLOQUIUM, Pretoria, South Africa. 2-4 September.
29. **Venter, G.J.S., Meijboom, R. & Roodt, A.** 2007. *Silver(I) coordination with group 15 ligands and the ligand exchange mechanism.* Oral presentation at the Rhemantec International Symposium, Bloemfontein, South Africa. 14-24 November.
30. **Venter, G.J.S., Roodt, A. & Meijboom, R.** 2007. *Coordination of selective coin metals by group 15 ligands and the ligand exchange mechanism.* Oral presentation at the DST-NRF c*change Symposium, Richards Bay, South Africa. 9-10 November.
31. **Venter, G.J.S., Roodt, A. & Meijboom, R.** 2007. *Silver(I) complexes with group 15 ligands: Model hydroformylation catalysts?* Poster presentation at the Conference of the Catalysis Society of South Africa (CATSA), Richards Bay, South Africa. 11-14 November.
32. **Venter, J.A., Basson, S.S. & Purcell, W.** 2007. *Evaluation of ligand and solvent effects on a potential catalyst using a rhodium cupferrate system as model.* Oral presentation at the Rhemantec International Symposium, Bloemfontein, South Africa. 14-24 November.
33. **Visser, H.G., Kemp, G., Schutte, M. & Roodt, A.** 2007. *Rhenium(I) carbonyl complexes as model radiopharmaceuticals.* Oral presentation at the Rhemantec International Symposium, Bloemfontein, South Africa. 14-24 November.