

APPENDIX

APPENDIX A

PUBLICATIONS

1. *Biosensors for the enantioselective analysis of pipecolic acid*
R.I. Stefan, R.M. Nejem, J.F. van Staden and H.Y. Aboul-Enein
Sens.Actuators B, **94(3)**, 271-275, 2003.

2. *Determination of L- and D-pipecolic acid using diamond paste based amperometric biosensors*
R.I. Stefan and R.M. Nejem
Anal.Lett., **36(2)**, 2635-2644, 2003.

3. *Determination of L- and D-pipecolic acids using a diamond paste based electrode*
R.I. Stefan and R.M. Nejem
Instrum. Sci. & Technol., **32(3)**, 309-318, 2004.

4. *New amperometric biosensors based on diamond paste for the assay of L- and D-pipecolic acids in serum samples*
R.I. Stefan, R.M. Nejem, J.F. van Staden and H.Y. Aboul-Enein
Prep.Biochem.& Biotechnol., **34(2)**, 135-143, 2004.

5. *Enantioselective, potentiometric membrane electrodes for the determination of L-pipecolic acid in serum*
R.I. Stefan, R.M. Nejem, J.F. van Staden and H.Y. Aboul-Enein
Electroanalysis, In Press.
6. *Sequential injection analysis utilizing amperometric biosensors as detectors for simultaneous determination of L- and D-pipecolic acid*
R.I. Stefan, R.M. Nejem, J.F. van Staden and H.Y. Aboul-Enein
Sensors, In Press.
7. *Enantioselective, potentiometric membrane electrodes based on antibiotics for the determination of L- and D-glyceric acids.*
R.M. Nejem, R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein
Talanta, Submitted.
8. *Diamond paste-based electrodes for the determination of L- fucose*
R.I. Stefan, R.M. Nejem, J.F. van Staden and H.Y. Aboul-Enein
Anal.Chem., Submitted.
9. *Enantioselective, potentiometric membrane electrodes based on cyclodextrines for the assay of L- and D-hydroxyglutaric acids*
R.M. Nejem, R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein
Anal.Lett., Submitted.

10. *Enantioanalysis of L-hydroxyglutaric acid in urine samples using enantioselective, potentiometric membrane electrodes based on maltodextrins*
R.M. Nejem, R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein
Talanta, In Press.
11. *Determination of D-hydroxyglutaric acid in urine samples using enantioselective, potentiometric membrane electrodes based on antibiotics*
R.M. Nejem, R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein
Sensors and Actuators B, Submitted.
12. *Enantioanalysis of glyceric acid in urine samples using enantioselective, potentiometric membrane electrodes based on maltodextrins*
R.M. Nejem and R.I. Stefan
J.Pharm.Biomed.Anal., Submitted.
13. *Enantioselective, potentiometric membrane electrodes based on cyclodextrines for the assay of glyceric acid in urine samples*
R.M. Nejem and R.I. Stefan
Sensors, Submitted.
14. *Cyclodextrins based enantioselective, potentiometric membrane electrodes for L- vesamicol assay in serum samples*
R.M. Nejem and R.I. Stefan
Sensors and Actuators B, Submitted.

15. *Enantioselective, potentiometric membrane electrodes based on maltodextrins and their applications for the determination of L-vesamicol in serum samples*

R.M. Nejem and R.I. Stefan

The Analyst, Submitted.

16. *Determination of L-vesamicol in serum samples using enantioselective, potentiometric membrane electrodes based on antibiotics*

R.M. Nejem and R.I. Stefan

Anal.Lett., Submitted.

17. *Amperometric biosensor based on diamond paste for the enantioanalysis of L-lysine*

R.M. Nejem, R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein

Anal.Chem., Submitted.

18. *Determination of D-fucose using amperometric electrodes based on diamond paste*

R.I. Stefan and R.M. Nejem

Sensors, In Press.

APPENDIX B

PRESENTATIONS

Oral presentations

1. *Enantioselective, potentiometric membrane electrodes for the enantioanalysis of L- and D-2-hydroxyglutaric acids in urine samples*
R.M. Nejem, R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein
37th Convention SA Chemical Institute. Pretoria. 4-9 July 2004

Poster presentations

1. *Biosensors for the enantioselective analysis of pipecolic acid*
R.I. Stefan, R.M. Nejem, J.F. van Staden, H.Y. Aboul-Enein
IMA'2003. The 3rd International Conference of Instrumental Methods of Analysis. (Modern trends and Applications). Thessaloniki. Greece. 23-27 September 2003.
2. *Biosensors for the enantioselective analysis of pipecolic acid*
R.I. Stefan, R.M. Nejem, J.F. van Staden, H.Y. Aboul-Enein
ICFIA'2003. 12th International Conference on Flow Injection Analysis, including related techniques. Merida. Venezuela. 7 - 13 December 2003.