Table of Contents

| _ | | _ | |
|---|-----|-----|-----|
| D | mat | ľ'n | ~ |
| г | | 14 | T.F |

| Comparative Investigations of the Sandfishs β-Keratin (Reptilia: Scincidae: <i>Scincus</i> scincus). Part 2: Glycan-Based Friction Reduction | |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----|
| K. Staudt, W. Böhme and W. Baumgartner | 1 |
| Self-Healing Materials as New Biologically Inspired Materials F. Ghezzo and X.G. Miao | 11 |
| Osteocyte Characterization on Polydimethylsiloxane Substrates for Microsystems Applications | |
| S.L. York, A.R. Arida, K.S. Shah, P. Sethu and M.M. Saunders | 27 |
| Rib Design for Kirchhoff's Plate Inspired by Venation Configuration K. Xue, Y.X. Li and W.Y. Wang | 43 |
| Characterization and Degradation Behaviour of Anodized Magnesium-Hydroxyapatite Metal Matrix Composites P. Gill, N. Munroe and A. McGoron | 55 |
| Effect of γ-Radiation on Thermal and Chemical Properties of Starch/Polystyrene Biopolymer Blend | 71 |
| J.K. Ahmed, Z.J. Abdul Amer and A. Majid | / 1 |
| A Novel Patient-Specific Regenerative Meniscal Replacement System A. Chan, N. Young, G.T. Tran, B. Miles, A.J. Ruys and P. Boughton | 83 |
| Bacterial Biofilm Development on Polyethylene with Organic and Inorganic Reagents <i>In Vitro</i> | |
| HM Li HX Li WG Zhao W Zhang and IH Ii | 97 |