

Contents

Dedication	vi
Introduction	1
Background and context	
Shumilovskikh, L., O’Keefe, J. M. K. and Marret, F. An overview of the taxonomic groups of non-pollen palynomorphs	13
Pound, M. J., O’Keefe, J. M. K. and Marret, F. An overview of techniques applied to the extraction of non-pollen palynomorphs, their known taphonomic issues and recommendations to maximize recovery	63
O’Keefe, J. M. K., Nuñez Otaño, N. B. and Virginia Bianchinotti, M. Nomenclature: how do we designate NPP taxa?	77
The major groups of NPPs	
Nuñez Otaño, N. B., Virginia Bianchinotti, M. and Saparrat, M. C. N. Palaeomycology: a modern mycological view of fungal palynomorphs	91
McCarthy, F. M. G., Pilkington, P. M., Volik, O., Heyde, A. and Cocker, S. L. Non-pollen palynomorphs in freshwater sediments and their palaeolimnological potential and selected applications	121
Andrews, L. O., Payne, R. J. and Swindles, G. T. Testate amoebae as non-pollen palynomorphs in pollen slides: usefulness and application in palaeoenvironmental reconstruction	151
Mudie, P. J., Marret, F., Gurdebeke, P. R., Hartman, J. D. and Reid, P. C. Marine dinocysts, acritarchs and less well-known NPP: tintinnids, ostracod and foraminiferal linings, copepod and worm remains	159
Application of NPPs to a variety of problems	
Gauthier, E. and Jouffroy-Bapicot, I. Detecting human impacts: non-pollen palynomorphs as proxies for human impact on the environment	233
van Asperen, E. N., Perrotti, A. and Baker, A. Coprophilous fungal spores: non-pollen palynomorphs for the study of past megaherbivores	245
Denison, C. N. Stratigraphic and sedimentological aspects of the worldwide distribution of <i>Apectodinium</i> in Paleocene/Eocene Thermal Maximum deposits	269
Wellman, C. H. and Ball, A. C. Early land plant phytodebris	309
Agic, H. and Cohen, P. A. Non-pollen palynomorphs in deep time: unravelling the evolution of early eukaryotes	321
Index	343