# Contents

Introduction 1

**Mortimore, R.N., Lawrence J., Pope, D., Duperrat, A. & Genter, A.** Coastal cliff geohazards in weak rock: the UK Chalk cliffs of Sussex 3

**Duperrat, A., Genter, A., Martinez, A. & Mortimore, R.N.** Coastal chalk cliff instability in NW France: role of lithology, fracture pattern and rainfall 33

**Genter, A., Duperrat, A., Martinez, A., Mortimore, R.N. & Vila, J-L.** Multiscale fracture analysis along the French chalk coastline for investigating erosion by cliff collapse 57

**Mortimore, R.N., Stone, K.J., Lawrence J. & Duperrat, A.** Chalk physical properties and cliff instability 75

**Williams, R.B.G., Robinson, D.A., Dornbusch, U., Foote, Y.L.M., Moses, C.A. & Saddleton, P.R.** A sturzstrom-like cliff fall on the Chalk coast of Sussex, UK 89

**Mitchell, S.B. & Pope, D.J.** Prediction of nearshore wave energy distribution by analysis of numerical wave model output: East Sussex coastline, UK 99

**Brossard, J. & Duperrat, A.** Coastal chalk cliff erosion: experimental investigation on the role of marine factors 109

**Wolters, G. & Müller, G.** The propagation of wave impact induced pressures into cracks and fissures 121

**Dornbusch, U., Moses, C.A., Robinson, D.A. & Williams, R.B.G.** Laboratory abrasion tests on beach flint shingle 131

**Costa, S., Delahaye, D., Freire-Diaz, di Nocera, L., Davidson, R. & Plessis, E.** Quantification of the Normandy and Picardy chalk cliff retreat by photogrammetric analysis 139

**Daigneault, M., Bouchardon, J.-L. & Guy, B.** Coastal cliff erosion vulnerability on the Canadian east coast (Baie des Chaleurs area): a multi-parameter visualization tool 149

Index 169