

CONTENTS:

Oral presentations

<i>Plenary lecture: The use of aerial platforms in aerobiological studies</i>	
<i>Prof. E. Domínguez Vilches</i>	13
<i>Plenary lecture: Ice-ages in the tropics: new records and improved understanding of long Colombian pollen records</i>	
<i>Prof. H. Hooghiemstra</i>	14
<i>Opening Aerobiology lecture: The first 30 years of the International Association for Aerobiology</i>	
<i>Prof. P. Mandrioli</i>	14
- Session a1 Pollen ontogeny and development.....	16
- Session a2 Signalling in pollen development, stress-induced microspore embryogenesis and pollen germination.....	21
- Session a3 Pollen for in-vitro production of haploids.....	27
- Session a4 Palynomorph wall chemistry, structure and assembly.....	34
- Session b1 Bryophytes and pteridophytes.....	40
- Session b2 Spermatophyte pollen: evolution, phylogeny and systematics.....	46
- Session b2.1 Pollen Morphology and Plant Systematics.....	46
- Session b2.2 Evolution of Angiosperm Pollen Characters.....	53
- Session c1 Basic aerobiology/ monitoring/ new techniques: pollen.....	61
- Session c2 Basic aerobiology/ monitoring/ new techniques: fungal spores.....	67
- Session c3 Forecasting pollen.....	72
- Session c4 Pollen and fungal spore dispersal / long distance transport.....	79
- Session c5 Applied aerobiology: agriculture.....	83
- Session c6 Applied aerobiology: cultural heritage.....	87
- Session c7 Applied aerobiology: climatic changes.....	89
- Session d1 Molecular and cellular analysis of pollen allergens.....	96
- Session d2 Clinical aspect of allergenic pollen.....	101
- Session e Entomopalynology and melissopalynology.....	106
- Session f Forensic palynology.....	114
- Session g1 Dinoflagellate cysts and dinoflagellate biology.....	118
- Session g2 Pre-cambrian palynology/cimp symposium.....	126
- Session g3 Lower palaeozoic palynology/cimp symposium.....	130
- Session g4 Upper palaeozoic palynology / cimp symposium.....	144
- Session g5 Pre-jurassic palynology of the arabian plate and the adjacent regions (cimp/saudi aramco).....	163
- Session g6 Mesozoic palynology.....	169
- Session g7 Tertiary palynology.....	188
- Session g8 Dynamic of ecosystems: palynology and genetics.....	202
- Session h1 Timing and nature of vegetation response to abrupt climate changes.....	208
- Session h2 Pleistocene pollen records: patterns and processes of environmental and cultural change.....	220
- Session h3 Evolution of the landscape and climate in the mediterranean ecosystem.....	227
- Session h4 Tropical paleoecology: sensitive archives of environmental change.....	237
- Session h5 Long continental records: the development of "ground truth" for the marine oxygen isotope chronology.....	249
- Session h6 Taphonomy and archaeological palynology.....	265
- Session h7 Non-pollen palynomorphs from fresh-water sediments, peat deposits and archaeological sites.....	270
- Session h8 Pollen calibration and quantitative reconstruction of past vegetation cover.....	280
- Session i1 Global pollen databases.....	288
- Session i2 Applications of pollen databases.....	295

Poster presentations

- Poster session a1 Pollen ontogeny and development.....	307
- Poster session a2 Signalling in pollen development, stress-induced microspore embryogenesis and pollen germination.....	313
- Poster session a3 Pollen for in-vitro production of haploids.....	319
- Poster session b1 Bryophytes and pteridophytes.....	322
- Poster session b2 Spermatophyte pollen: evolution, phylogeny and systematics.....	325
- Poster session c1 Basic aerobiology/ monitoring/ new techniques: pollen.....	340
- Poster session c2 Basic aerobiology/ monitoring/ new techniques: fungal spores.....	365
- Poster session c3 Forecasting pollen.....	369
- Poster session c4 Pollen and fungal spore dispersal / long distance transport.....	376
- Poster session c5 Applied aerobiology: agriculture.....	377
- Poster session c6 Applied aerobiology: cultural heritage.....	380
- Poster session c7 Applied aerobiology: climatic changes.....	382
- Poster session d1 Molecular and cellular analysis of pollen allergens.....	385
- Poster session d2 Clinical aspect of allergenic pollen.....	389
- Poster session e Entomopalynology and melissopalynology.....	394
- Poster session g1 Dinoflagellate cysts and dinoflagellate biology.....	410
- Poster session g2 Pre-cambrian palynology/cimp symposium.....	416
- Poster session g3 Lower palaeozoic palynology/cimp symposium.....	419
- Poster session g4 Upper palaeozoic palynology / cimp symposium.....	428
- Poster session g5 Pre-jurassic palynology of the arabian plate and the adjacent regions (cimp/saudi aramco).....	438
- Poster session g6 Mesozoic palynology.....	441
- Poster session g7 Tertiary palynology.....	464
- Poster session h1 Timing and nature of vegetation response to abrupt climate changes.....	474
- Poster session h2 Pleistocene pollen records: patterns and processes of environmental and cultural change.....	501
- Poster session h3 Evolution of the landscape and climate in the mediterranean ecosystem.....	523
- Poster session h4 Tropical paleoecology: sensitive archives of environmental change.....	533
- Poster session h5 Long continental records: the development of "ground truth" for the marine oxygen isotope chronology.....	551
- Poster session h6 Taphonomy and archaeological palynology.....	561
- Poster session h7 Non-pollen palynomorphs from fresh-water sediments, peat deposits and archaeological sites.....	573
- Poster session h8 Pollen calibration and quantitative reconstruction of past vegetation cover.....	579
- Poster session i1 Global pollen databases.....	598
- Poster session i2 Applications of pollen databases.....	598
- Other topics.....	601

ORAL PRESENTATIONS