

**BRYOLOGY2019 CONFERENCE. POSTERS SESSIONS****Tuesday 11:55-13:00 posters session 1**

Po-01	AMBRA1 controls plant development and senescence in <i>Physcomitrella patens</i> Alessandro Alboresi, Jessica Ceccato, Tomas Morosinotto, Luisa Dalla Valle
Po-02	Plitvice Lakes – the largest area with tufa forming bryophyte vegetation in Europe Antun Alegro, Vedran Šegota, Anja Rimac, Nikola Koletić, Nina Vuković, Beáta Papp
Po-03	Antifungal effects of some mosses of Iran on the phytopathogenic fungus " <i>Fusarium solani</i> " Roghaieh Asadboland, AliReza Iranbakhsh, MohammadReza Esalahi, Saeed Shirzadian
Po-04	The bryophyte research programme at the Royal Botanic Garden Edinburgh (RBGE) Neil E. Bell, Laura L. Forrest, Elizabeth Kungu
Po-05	Recommendations for the use of critical terms when applying IUCN red-listing criteria to bryophytes Ariel Bergamini, Irene Bisang, Nick Hodgetts, Neil Lockhart, Jacques van Rooy, Tomas Hallingbäck
Po-06	Monitoring moss growth and physiological status using a low-cost image analysis system Manuel M. Bustamante, Indradatta de Castro-Arrazola, Belén Estébanez, Fernando Hurtado, Cristina Ronquillo, María Leo, Joaquín Hortal, Nagore G. Medina
Po-07	Elucidating the role of eIF5A in growth and stress response in <i>Physcomitrella patens</i> Alexandra Castro, Claudia Deluca, Cecilia Ruibal, Sabina Vidal
Po-08	Population genetic diversity, genetic structure and phylogeography of <i>Riella helicophylla</i> (Riellaceae) José Gabriel Segarra-Moragues, Manuel Jesús Gil-López, Felisa Puche
Po-09	Mosses of Central Florida: Current progress in their documentation and in development of new identification tools Frederick B. Essig, Ainun Nadhifah
Po-10	The effect of lead pollution on chlorophyll fluorescence in two moss species Belén Estébanez, Helena Palancar, Patricia Haro
Po-11	Dust in the wind... How to improve air quality monitoring using terrestrial mosses R. García-Seoane, J.A. Fernández, J.R. Aboal
Po-12	The importance of ash stands for the diversity and conservation of epiphytes in broad-leaved forests of Latvia Linda Gerra-Inohosa, Līga Strazdiņa, Ilze Matisone
Po-13	Spatial analysis of qualitative pollution data in moss samples at a regional scale P. Giráldez, Z. Varela, R.M. Crujeiras, J.R. Aboal, J.A. Fernández
Po-14	Bryophyte Phylogeny Poster (BPP) Theodor C. H. Cole, Hartmut H. Hilger, Bernard Goffinet, Hiroyuki Akiyama, Oyuntsetseg Batlai, Sahut Chantanaorrapint, Denise Pinheiro da Costa, Nyambayar Dashzeveg, Enkhjargal Enkhtaivan, Johannes Enroth,...
Po-15	Towards a database of the Romanian bryophyte vegetation. Status and perspectives I. Goia, A. Şuteu
Po-16	Competition and facilitation in the early development of three common Iberian mosses Miguel Ángel Gómez-Moliner, Nagore G. Medina, Belén Estébanez
Po-17	Sporophyte and spore characters in three genus of difficult morphological characterisation of the family Brachytheciaceae Daniel Guerra-Mateo, Belén Estébanez, José David Orgaz
Po-18	Green workshops – a focus on biodiversity using bryophytes for urban children Christine Habashi, Romain Dewaele
Po-19	Investigating the Biosynthesis and Function of Complex Sphingolipids in <i>Physcomitrella patens</i> Jasmin Gömann, Hanno Resemann, Tegan M. Haslam, Cornelia Herrfurth, Kirstin Feussner, Ellen Hornung, Ivo Feussner
Po-20	Of turf, trees and air quality: does roadside moss trap more particulate matter than leaves? Alison Haynes, Robert Popek, Mitchell Boles, Clare Paton-Walsh, and Sharon A. Robinson
Po-21	Bryophytes of Myanmar. Inventory, characteristics and affinities Masanobu Higuchi, Mu Mu Aung, Nobuyuki Tanaka

Po-22	Knock-down of essential subunits of SCM5/6 complex in <i>Physcomitrella patens</i> Marcela Holá, Radka Vágnerová, Karel J. Angelis
Po-23	Evolutionary conserved epigenetic silencer Polycomb repressive complex 2 in the bryophyte <i>Physcomitrella patens</i> Helena Hönig Mondeková, Kateřina Kabeláčová, Katarina Landberg, Eva Sundberg, Iva Mozgová
Po-24	Interspecific variation in the fitness of six Iberian soil mosses assessed through biomass production and colonization success Fernando Hurtado, Belén Estébanez, Manuel Molina Bustamante, Cristina Ronquillo, Pedro Aragón, Joaquín Hortal, Nagore G. Medina
Po-25	Drivers of ground bryophytes diversity in temperate beech forests - stand structure vs. soil characteristics Miloš Ilić, Ružica Igić, Mirjana Ćuk, Dragana Vukov
Po-26	Morphological and phylogenetic notes on <i>Trachycarpidium</i> species (Pottiaceae, Bryophyta) Yuya Inoue, Belén Estébanez Pérez, Hiromi Tsubota
Po-27	Towards a new IUCN based Red List of bryophytes for Switzerland Thomas Kiebacher, Markus Meier, Julie Steffen, Norbert Schnyder, Niklaus Müller, Ariel Bergamini, Edi Urmi, Heike Hofmann
Po-28	Specificity of Caucasian liverwort flora: phytogeographical peculiarities and hidden diversity Nadezhda A. Konstantinova, Anna A. Vilnet
Po-29	A multi-scale approach to drought in <i>Sphagnum</i> , the cellular basis of an ecosystem engineer Willem Q.M. van de Koot, Ying Wang, Candida Nibau, John H. Doonan
Po-30	Unique epigenetic features of ribosomal RNA genes (rDNA) in early diverging plants (bryophytes) Alena Kuderová, Roman Matyášek, Alice Krumpolcová, Jana Lunerová, Eva Mikulášková, Josep A. Rosselló, Aleš Kovařík

### Wednesday 11:55-13:00 posters session 2

Po-31	Peptides encoded by long non-coding RNAs influence proteome in the moss <i>Physcomitrella patens</i> Anna Mamaeva, Andrey Knyazev, Vassili Lazarev, Daria Kharlampieva, Victor Zgoda, Nina Golub, Vadim Ivanov, Igor Fesenko
Po-32	Towards a clarification of the <i>Aloina catillum</i> (Müll. Hal.) Broth. (Pottiaceae) complex Mónica Martínez, M. Teresa Gallego, Juan A. Jiménez, Juan Guerra, María J. Cano
Po-33	Interaction between three Mediterranean mosses: influence of competition and abiotic factors in biogeographical distribution Paula Martínez Domínguez, Belén Estébanez, María Leo
Po-34	Dynamics of development and change of biodiversity in natural forests E. Mikulášková, J. Běťák, J. Halda, J. Procházka
Po-35	Can the content of bryophyte ultraviolet-absorbing compounds be estimated by non-destructive methods? A case study in the Colombian Andes Laura Monforte, Luis-Carlos Montenegro, Edgar Linares, Jaime Uribe, Javier Martínez-Abaigar...
Po-36	The Moss Flora of Nuluhon Trusmadi Forest Reserve in Sabah, Malaysian Borneo Andi Maryani A Mustapeng, John B Sugau, Monica Suleiman
Po-37	Methods to Transform the New Model Species for Hornworts, <i>Anthoceros agrestis</i> Anna Neubauer, Manuel Waller, Eftychios Frangedakis, Juan Carlos Villarreal, Fay-Wei Li, Peter Szovenyi
Po-38	Revisiting the Mediterranean <i>Bartramia rosamrosiae</i> with phylogenetic, morphological and ecological tools Konstantin Neumann, Jesús Muñoz, Dietmar Quandt
Po-39	Liverwort richness and range size distribution along elevational gradient in Serbia Jovana P. Pantović, Nada M. Nikolić, Marko S. Sabovljević

Po-40	Is drought stress driving the morphological variation of <i>Hypnum cupressiforme</i> Hedw. (Hypnaceae)? Verena Pietzsch, Sonja M. Thielen, Martin Ebner
Po-42	The rare and scattered moss <i>Acaulon piligerum</i> (Pottiaceae) new to the Iberian Peninsula with comparison to other Southern Hemisphere species of subgenus <i>Alaticosta</i> Felisa Puche, José Gabriel Segarra-Moragues, Josephine Milne
Po-43	Climatic differences in the geographic range of moss sister taxa at both sides of the Atlantic Cristina Ronquillo, Jennifer Morales-Barbero, Pedro Aragón, Vicente Mazimpaka, Manuel Molina-Bustamante, Nagore G. Medina, Joaquín Hortal
Po-44	Not as straightforward as expected: Disentangling the genetic structure of <i>Funaria hygrometrica</i> along a climatic gradient within Spain using genotyping-by-sequencing (GBS) Rosa M. Ros, Elena de la Cruz-Martínez, Olaf Werner, Jairo Patiño, Susana Rams
Po-45	Ten years of bryological research in Croatia - Where we were, where we are, where we are going Vedran Šegota, Antun Alegro, Anja Rimac, Beàta Papp
Po-46	Species richness and communities of bryophytes in heath forest, Khao Ngon Nak Mountain, Krabi Province, southern Thailand Athita Senayai, Worapoj Lomlim, Sahut Chantanaorrapint
Po-47	Observations of anisomorphic spores in Portuguese populations of <i>Homalothecium sericeum</i> (Hedw.) Schimp. s.s. and <i>H. meridionale</i> (M. Fleissch. & Warnst.) Hedenäs (Brachytheciaceae) Cecília Sérgio, Manuela Sim-Sim, César A. Garcia
Po-48	Developmental stage determines the accumulation pattern of UV-absorbing compounds in the model liverwort <i>Marchantia polymorpha</i> subsp. <i>ruderalis</i> under controlled conditions Gonzalo Soriano, M. Ángeles Del-Castillo, Laura Monforte,...
Po-49	The moss flora of Borneo: Progress and challenges Monica Suleiman
Po-50	A Calcium-Dependent Protein Kinase Gene <i>Rccdpk</i> from <i>Racomitrium canescens</i> Enhanced Plant Drought and Salt Tolerance Wei Sha, Weiwei Ren, Weiwei Zhu, Meijuan Zhang, Tianyi Ma
Po-51	Genetic and morphological variation in the circumpolar distribution range of <i>Sphagnum warnstorffii</i> N. Yousefi, E. Mikulášková, H.K. Stenøien, K.I. Flatberg, A. Košuthová, M. Hájek, K. Hassel
Po-52	A Revision of Family Bryaceae sensu lato (Musci) in China Jiancheng Zhao, Yongying Liu, Yulu Niu, Xiaorui Wang
Po-53	Floristic Characteristics of Bryophytes and their Distribution Rule from Karst Tiankeng in Southern China Zhang Zhaohui, Wang Zhihui, Wang Dengfu, Wu Qimei
Po-54	Diversity of morphology and structure of moss peristomes and their effects for spore discharge in Guizhou Plateau, China Wang Zhihui, Zhang Zhaohui
Po-55	The genus <i>Mitthyridium</i> (Calymperaceae, Bryophyta) in Thailand Santiporn Boonjing, Orawanya Suwanmala, Si He, Sahut Chantanaorrapint
Po-56	Diversity, Distribution and Socio-cultural importance of Bryophytes in the Sudano-Guinean and Sudanian areas in Benin Alia M. H. Boris, Reeb Catherine, Tossou G. Monique, Akoegninou Akpovi
Po-57	A contribution to the knowledge of the bryophytes of the Cape Verde Islands, with an emphasis on Santo Antão and São Vicente César Augusto Garcia, Cecília Sérgio, Anabela Martins, Ana S.B. Rodrigues, Manuela Sim-Sim
Po-58	Which bryophytes are preferred by bryophagous insects? Michaela Drgová, Petr Pyszko, Vítězslav Plášek, Pavel Drozd
Po-59	The Phenotypic Plasticity of <i>Philonotis hastata</i> (Duby) Wijk & Margad Mohamed Farag, Hanna Shabbara, Wagieh El-Sadaawi

**Thursday 11:55-13:00 posters session 3**

Po-60	Distribution pattern of epiphytic mosses from Orthotrichaceae family in western provinces of China Lucie Fialová, Lukáš Číhal, Zuzana Komínková, Vítězslav Plášek
Po-61	Singularity and distribution of epiphytic bryophyte communities in the NW Iberian Peninsula Nagore G. Medina, Francisco Lara, Joaquín Calatayud, Isabel Draper, Vicente Mazimpaka, Joaquín Hortal
Po-62	Taxonomic studies on type material of the family Trichocoleaceae from Central and South America with two new combinations of the genus Leiomitra Tomoyuki Katagiri
Po-63	Bioactivity and phytochemical characterization of <i>Anoetangium thomsonii</i> Mitt. for the antimicrobial potential Kavita Negi, Preeti Chaturvedi
Po-64	Unravelling the Genetic Basis of the Hornwort-Cyanobacteria Symbiosis Anna Neubauer, Manuel Waller, Eftychios Frangedakis, Juan Carlos Villarreal, Fay-Wei Li, Peter Szovenyi
Po-65	Bryophyte acclimation to sun conditions is influenced by both photosynthetic and ultraviolet radiations Encarnación Núñez-Olivera, Gonzalo Soriano, María Ángeles Del Castillo-Alonso, Laura Monforte, Javier Martínez-Abaigar
Po-66	Type III Phosphatidylinositol 4-kinase genes in <i>Physcomitrella patens</i> : CRISPR/Cas9 mutagenesis uncovers both novel and conserved functions in development Kaye Peterman, Zijing Li, Hannah Mummey, Tatyana Johnson, Suhaily Penix, Amelia R. Cecere,...
Po-67	Deciphering the role of FHY1 protein in mediating light-hormone crosstalk in <i>Physcomitrella patens</i> Durga Prasad Biswal, Kishore CS Panigrahi
Po-68	The MADBRYO project, laying the groundwork and some preliminary results Catherine Reeb, Elodie Dubuisson, John C. Brinda
Po-69	The Hornworts (Anthocerotophyta) and thalloids liverworts (Marchantiophyta) of Cuba: challenges and perspectives Yoira Rivera Queralta
Po-70	Assessing the resistance to lead and accumulation capacity of shoots, spores and adult plants to lead in four common moss species Mónica B. Cifuentes, María C. Medina, R. M. Fernández
Po-71	Micro-morphology and anatomy of the peristome in the Dicranales: exploring the use of Technovit 7100 Methacrylate embedding resin for microtome sectioning Mathilde Ruche, Michelle J. Price, Fred W. Stauffer
Po-72	Antioxidant enzymatic analysis on bryophyte <i>Syntrichia ruralis</i> [Hedw.] in semi-arid sandy grassland, Hungary Ruchika, Evelin Ramóna Péli, Zsolt Csintalan
Po-73	<i>Physcomitrella patens</i> dehydrin, PpDHNA, acts like “chaperone” by conferring protection against stress effects through protein stability enhancement C. Ruibal, A. Castro, S. Vidal
Po-74	A comparative study of corticolous bryophytes on three-needle pine and oak tree in Chiang Dao wildlife sanctuary, Chiang Mai province, Northern Thailand Nilobon Sevanakun, Prakasit Rawiwan, Sattha Ghunthong, Sahut Chantanaorrapint
Po-75	The research progress and prospect of bryophytes in Tibet Shao Xiaoming, Fan Yingjie, Liu Ling, Jiang Xinyuan, Wang Li, Song Xiaotong, Kou Jing, Song Shanshan, Jiang Yanbin
Po-77	Bryophytes of submontane calcareous beech forests on dolomites of Central Slovakia Pavel Širka, Mariana Ujházyová, Karol Ujházy
Po-78	Effect of peatland degradation on bryophyte species composition in Latvia and Lithuania Liga Strazdina, Jurate Sendzikaite, Mara Pakalne, Agnese Priede, Leonas Jarasius, Zydrunas Sinkevicius, Nerijus Zableckis

Po-79	Codonoblepharon forsteri (Orthotrichaceae) has its most important population in Southwestern Spain A.G. Terroba, I. Draper, V. Mazimpaka, R. Garilleti, F. Lara
Po-80	Moss-water-interactions: Effects of dehydration and hydration on moss surface structures Sonja M. Thielen, Martin Ebner, Tatiana Miranda, James H. Nebelsick, Anita Roth-Nebelsick
Po-81	Trace elements concentrations in Greece using Hypnum cupressiforme Hedw. as biomonitor Evdoxia Tsakiri, Chrysoula Betsou, Nerantzis Kazakis, Konstantinos Eleftheriadis, Evangelia Diapouli, Marina Frontasyeva, Alexandra Ioannidou
Po-82	The role of prenyltransferases in the thallus development of Marchantia polymorpha Lia R. Valeeva, Yoshihiro Yoshitake, Noriyuki Suetsugu, Ryuichi Nishihama, Takayuki Kohchi, Margarita R. Sharipova
Po-83	Campylopus introflexus colonization in the Atlantic secondary dunes of the Iberian Peninsula Z. Varela, S. Lobo Dias, C. Branquinho
Po-84	Impact of transposable elements in the generation of phenotypic variability in Physcomitrella patens Pol Vendrell Mir, Florence Charlot, Fabien Nogu��, Josep Casacuberta
Po-85	New insights in taxonomy and phylogeny of liverworts Rui-Liang Zhu, Lei Shu, You-Liang Xiang, Chao Shen, Xin-Jie Jin
Po-86	Results of long-term bryophyte monitoring of dry rocky grasslands in Hungary E. Szurdoki, P. ��dor, B. Papp