

Under the Auspices of H.E.
the President of the Hellenic Republic
Mr. Prokopios Pavlopoulos

PROGRAMME



XVI OPTIMA Meeting



Organized by:

OPTIMA (Organization
for the Phyto-Taxonomic
Investigation of the
Mediterranean Area)

Agricultural University
of Athens

2-5 October 2019
Agricultural University of Athens, Greece

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Georgia Kamari (Secretary), Greece
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Scientific Programme

Tuesday, 1 October 2019

10.30 Meetings of the OPTIMA Commissions (restricted)

Wednesday, 2 October 2019

9.30 Meetings of Executive Council & International Board of OPTIMA

9.30 **Registration of the participants.** The Registration desk will remain open as per official programme timings throughout the entire meeting.

11.30 **Opening Ceremony and Plenary Lecture**
Dimitrios Phitos
 The evolutionary course of Botanical science in Greece from Theophrastus to the present day.

13.00 **Welcome lunch**

Symposium 1 – Hall 1

Geoparks and Protected areas of Greece

Organizers: Georgia Kamari & Nikolaos Zouros

14.30 **Zouros N.** (Keynote presentation): The Global Geoparks Network.
Fassoulas Ch., Pattakos D. & Perakis E.: The Cretan Geoparks, synergies and actions for local sustainable development.
Liapi E. & Iliopoulos G.: The paleoflora of Chelmos-Vouraikos Unesco Global Geopark: A geological and palaeobotanical heritage.

Coffee break

Kontaxi Ch., Dalaka A. & Alvanopoulos G.: Protection and management of natural environment in Greece.

Kamari G., Mitsainas G. & Xanthakis M.: A successful example in the management of protected areas in Greece: The National Park of Mt. Aenos.

Phitos D., Kamari G. & Bareka P.: Red Data Books as valuable tools for the conservation of plant biodiversity in Protected Areas.

Symposium 2 – Hall 2

Fungal diversity in the Mediterranean area:
recent advances and future prospects

Organizers: Giuseppe Venturella & George Zervakis

- 14.30 **Mello A.** (invited lecture): Advances in the identification of ectomycorrhizal fungi - insights on their biological and ecological aspect.
- Zambonelli A., Iotti M. & Hall I.** (invited lecture): Diversity of the genus *Tuber* in the wider Mediterranean Area and prospects for the commercial exploitation of selected truffle species.
- Venturella G., Ferraro V. & Gargano M. L.:** Biodiversity, conservation and exploitation of medicinal mushrooms in Italy.
- Coffee break*
- Lewinsohn D.:** The unique mycobiota of the Negev desert in Israel.
- Leonardi M., Comandini O. & Rinaldi A. C.:** *Halimium* and associated mycobionts: a new look at Mediterranean ectomycorrhizal communities.
- Polemis E., Daskalopoulos V., Fryssouli V. & Zervakis G. I.:** Inventory of macrofungi associated with *Alnus glutinosa* (priority habitat 91E0) from Andros island, Greece.
- Discussion**
- DIRFIS MUSHROOMS:** Let's taste the mushroom diversity.

Symposium 13 – Hall 3

Advances in lichen diversity in the Mediterranean region

Organizer: Ana Rosa Burgaz

- 14.30 **Guttová A., Slovák M., Kučera J., Senko D., Vďačný P., Zozomová-Lihová J., Melichárková A. & Fačkovcová Z.:** Revealing evolution, biogeography and ecology of Mediterranean centred genus *Solenopsora*: An integrative approach.
- Burgaz A. R., Gutiérrez-Larruga B., Rodríguez-Arribas C. & Pino-Bodas R.:** The genus *Cladonia* in Greece.
- Llop E.:** Lichen diversity from the Sicoric territory, continental Western Mediterranean region.
- Coffee break*
- Sohrabi M.:** Iranian Lichenology: Progress and Problems.
- Pino-Bodas R., Gargiulo R., Cano E. & Burgaz A. R.:** Assessing the genome wide RAD sequencing method to address the species delimitation in the genus *Cladonia* (*Cladoniaceae*, *Ascomycota*).

- 18.00 **Welcome Cocktail**

Thursday, 3 October 2019

Symposium 3 – Hall 1

History of early botanical exploration in the Mediterranean

Organizers: Werner Greuter & Vernon H. Heywood

9.30

Bueno A. G. & Heywood V. H.: Early botanical exploration of Spain.

Fennane M. & Valdés Castrillón B.: Early botanical exploration of the Maghreb countries.

Raimondo F. M., Camarda I. & Lucchese F.: Early botanical exploration of Italy.

Coffee break

Lack W. H.: Early botanical exploration of the southern Balkans, Anatolia, and Caucasia.

Al-Zein M.: Early botanical exploration of the Levant and Egypt.

Leschner H.: The Big Bang - botanical investigation of the Middle East during 1900-1960.

Symposium 6 – Hall 2

Mediterranean algal diversity: Past, Present and Future

Organizers: Anna Maria Mannino & Sotiris Orfanidis

9:30

Boudouresque C.-F., Blanfuné A., Perret-Boudouresque M., Ruitton S. & Thibaut Th.: Extinction of Mediterranean macrophyte taxa: local extinctions and functional extinctions matter.

Rodríguez-Prieto C.: Past, present and future of Gigartinales and Cryptonemiales *sensu lato*.

Rindi F.: Diversity of Mediterranean coralline algae: recent advancements in the knowledge of a highly threatened group of seaweeds.

Coffee break

Panayotidis P. & Tsiamis K.: Diversity and ecology of macroalgae in Eastern Mediterranean.

Kooistra W. H. C. F., Gaonkar C. C., Montresor M., Piredda R., Sarno D. & Zingone A.: Species diversity and seasonality in the marine planktonic diatom *Chaetoceros* assessed by means of metabarcoding.

12.30

Light lunch

Symposium 5- Hall 1

Plant diversity and evolution in polyploid, dysploid, and hybrid complexes of the Mediterranean flora

Organizers: Lorenzo Peruzzi & Sonja Siljak-Yakovlev

14.00

Introduction

Nemati Z., Harpke D. & Blattner F. R.: Greece, Home of Saffron – Progenitor, areas and consequences of triploidy.

Astuti G., Liu L., Coppi A. & Peruzzi L.: Different chromosome numbers, but slight morphological differentiation and genetic admixture among populations of *Pulmonaria hirta* complex.

Coffee break

Farhat P., Bou Dagher - Kharrat M., Adams R., Thierry R. & Siljak-Yakovlev S.: Polyploidy and hybridization as the main evolutionary driving forces of *Juniperus sabina* in its Mediterranean range.

Peterson A. & Harpke D.: The Mediterranean basin as secondary speciation centre of *Gagea*.

Nardi F. D., Alonso-Marcos H., Hülber K., Tribsch A. & Dobeš C.: How ploidy level and mating system influence the ecogeography of amphipomictic *Potentilla puberula* (*Rosaceae*).

Symposium 4 – Hall 2

Origin and diversification of Mediterranean crops

Organizer: Benito Valdés Castrillón

14:00

Valdés Castrillón B.: Introduction**Weiss E.:** Daniel Zohary

Plitman U. & Melamed Y.: The plausible roles of women in the domestication of lentils.

Coffee break

Weiss E.: The domestication of wheat and barley - new evidences.

Dimitrova D. & Ivanova T.: From crop fields to home gardens - transitions and identities.

Cermeño P.: New Mediterranean crops - aromatic plants.

Friday, 4 October 2019

Symposium 7 – Hall 1

New methods in Plant Systematics

Sponsored by: Plant Systematics & Evolution – Springer Link

Organizers: Karol Marhold & Christoph Oberprieler

9.30

Frajman B., Závěská E. & Schönswetter P.: Integrating next generation sequencing, ecological niche modelling and classical phylogenetic and morphometric methods disentangles relationships within Eurasian *Euphorbia seguieriana* alliance (*Euphorbiaceae*).

Tomasello S., Karbstein K., Hodač L., Pätzold C. & Hörandl E.: Resolving phylogenetic relationships in *Ranunculus auricomus* using target enrichment.

Liveri E., Crawl A. A., Mavrodiev E., Yildirim H., Kamari G., Phitos D. & Cellinese N.: Another piece of the puzzle, another brick in the wall: the inevitable fate of *Campanula* L. section *Quinqueloculares* Phitos.

Coffee break

Aydin Z. U., Dönmez A. A. & Koch M. A.: Efficiency of plant DNA barcoding for taxonomy: A case study in *Dianthus* L. (*Caryophyllaceae*).

Wagner F., Ott T., Schall M., Lautenschlager U., Vogt R. & Oberprieler C.: Taming the Red Bastards: Hybridisation and species delimitation in the *Rhodanthemum arundanum*-group (*Compositae, Anthemideae*).

D'Antraccoli M., Roma-Marzio F., Carta A. & Peruzzi L.: Patterns of floristic richness in the Euro-Mediterranean area.

Karbstein K., Tomasello S., Hodac L., Daubert M. & Hörandl E.: New approaches in TaxonOmics: RADseq supported by geometric morphometrics uncovers relationships of sexual species within the *Ranunculus auricomus* complex.

Symposium 8 – Hall 2

Useful Plants of the Mediterranean

Organizers: Kemal Hüsnü Can Baser & Stella Kokkini

9.30

Assimopoulou A.: Alkannins and Shikonins: From Ancient Codes to Modern Medicine.

Çalis I.: Recent Advances on the chemistry of *Astragalus* species of Turkey.

Pirintsos S.: Linking Biodiversity with Drug development in the framework of Ethnopharmacology: The experience of Cretan IAMA research group.

Coffee break

Polissiou M.: Essential oils from Mediteranean MAPs as potential biopesticides.

Tsimidou M.: The bioactive apocarotenoids of *Crocus sativus* L. and its wild Mediterranean allies.

12.30

Light lunch

E-Poster Session – Hall 3

Organizers: Pepy Bareka & Gianniantonio Domina

14.00

The posters will be at display throughout the entire Meeting.

19:30

Congress Dinner

Saturday, 5 October 2019

Symposium 9 – Hall 1

Islands and insular systems

Organizers: Frédéric Médail & Panagiotis Trigas

9.30

Médail F. & Trigas P.: Introduction: Importance of Mediterranean islands for biogeography and conservation of plants.

Panitsa M., Kougioumoutzis K., Kagiampaki A., Triantis K. A. & Trigas P.: Plant diversity patterns in the Aegean Islands: history, climate or isolation?

Nikolić T.: The eastern Adriatic islands – state and perspectives.

Coffee break

Pasta S., La Rosa A., Pavon D., Lo Cascio P. & Médail F.: Tentamen Florae Aeolicae: A critical checklist of the vascular plants of the Aeolian Islands (Sicily, Italy).

Cambria S., Brullo S., Bogdanovic S. & Giusso del Galdo G.: Taxonomy and vicariance within the endemic species of *Solenopsis* (*Campanulaceae*) in the Mediterranean islands.

Kougioumoutzis K., Kokkoris G., Panitsa M., Strid A., Trigas P. & Dimopoulos P.: Climate change in a Mediterranean island biodiversity hotspot and its impact on the endemic Cretan flora.

Symposium 10 – Hall 2

Web Botany

Organizers: Ernst Vitek & Dimitris Koureas

- 9.30 **Koureas D.:** The Distributed System of Scientific Collections (DiSSCo) research infrastructure; Integrating European natural history collections to enable data-driven innovation and frontier biodiversity research.
- Raab-Straube E. von:** Euro+Med PlantBase and the Common Data Model (CDM) – integrating, further updating and expanding floristic and taxonomic information on Euro-Mediterranean plant diversity.
- Hofbauer M., Berger A., Gilli C., Lachmayer M., Prehler D., Reich D., Sander R., Sonnleitner M. & Gutermann W.:** Flora Ionica online – an integrative resource for plant biodiversity.
- Coffee break*
- Groom Q.:** Progress towards better management of and access to herbarium data.
- Dimopoulos P.:** The Flora of Greece website – FoG web.

12.30 **Light lunch**

Symposium 11 – Hall 1

Plant Conservation

Organizers: Magda Bou Dagher-Kharrat & Theophanis Constantinidis

- 13.30 **Véla E., Allen D., Barrios V., Lansdown R. & Numa C.:** Assessing the conservation status of Monocots in the Mediterranean region: reflections from a recent IUCN Red List evaluation.
- Dimopoulos P., Constantinidis Th., Raus Th. & Strid A.:** Taxonomic plant diversity and conservation needs in Greece.
- Lansdown R., Grillas P., Galewski Th. & Bazos I.:** Conservation of Mediterranean Wetland Plants.
- Peruzzi L., Astuti G., Carta A., D'Antraccoli M., Roma-Marzio F. & Bedini G.:** Interdisciplinary studies in plant conservation: lessons from some Italian case studies.
- Bou Dagher Kharrat M., Roukoz A., Depalle F., Samad N. A., Jardak R., Kahale R., Saliba C. & Sakr R.:** Conservation of endemic *Oncocyclus*, Iris of the eastern Mediterranean Region.

Coffee break

- Xu X., Ma K., Luo M., Liu B., Wang H., Xue J., Lin Q., Li W., Xu Z. & Ganeshaiyah K. N.:** Mapping Asia Plants: Initiative and Progress.
- de Montmollin B., Gotsiou P., Bacchetta G., Christodoulou Ch. S., Cogoni D., Fournaraki Ch., Giusso del Galdo G. P., Kokkinaki A., Kyratzis A., Piazza C., Vicens M. & Fenu G.:** Ex-situ and in-situ joint conservation actions for threatened Mediterranean island flora: lessons learnt from the CARE-MEDIFLORA project.
- Özhatay F. N., Demirci Kayıran S. & Kaya E.:** Conservation of endemic *Colchicum* species distributed in the Mediterranean Region of Turkey.
- Lazaridi E., Thanopoulos R. & Bebeli P. J.:** On-farm conservation impact on cowpea diversity in Greece.

Symposium 12 – Hall 2

Invasive plants: botanical gardens, orchards, crops and aquatic habitats as hotspots of spreading the alien species in the Mediterranean

Organizers: Stephen L. Jury & Olja Vasić

- 13.30 ***Tanner R.:*** Mitigating the impacts of invasive alien plants through international cooperation.
- Mannino A. M.:*** Alien macrophytes in the Mediterranean sea: an overview.
- Papini A. & Santosuosso U.:*** Modelling the center of origin and the spreading pattern of *Caulerpa* invasion in the Mediterranean.
- Farelo P., Gómez-Bellver C., Montserrat J. M., Pyke S., López-Pujol J., Nualart N. & Ibáñez N.:*** Montjuïc Mountain (Barcelona): A hotspot for plant invasions in a Mediterranean city
- Coffee break*
- Del Guacchio E.:*** The role of the botanical gardens of Campania (Italy) in introducing invasive plants.
- Jury S. L.:*** *Nicotiana glauca*: a neglected invasive?
- Herrando-Moraira S., Vitales D., Nualart N., Gómez-Bellver C., Ibáñez N., Massó S., Cachón-Ferrero P., González-Gutiérrez P. A., Herrera I., Shaw D., Stinca A., Wang Z. & López-Pujol J.:*** From greenhouse to the wildlife: global invasion patterns of *Kalanchoe ×houghtonii* (*Crassulaceae*).

17:00 **Closing Ceremony and General Meeting of OPTIMA**

Sunday, 6 October 2019

Field Excursion

XVI OPTIMA Meeting

E-Posters

1. **Antaloudaki E., Poulakakis N., Mylonas M. & Kypriotakis Z.:** Phylogenetics of the genus *Origanum* L. in Greece.
2. **Armeli Minicante S., Manghisi A., Genovese G. & Morabito M.:** Sharing the researches on the genus *Ulva* along the Italian coasts.
3. **Artzidaki E., Kakouri E., Paramithiotis S., Kanakis C., Trigas P., Tarantilis P. A. & Drosinos E. H.:** Natural products: a new era towards antibiotics resistance: the case of *Rosmarinus officinalis*.
4. **Bahi K. & Hadjadj-Aoul S.:** La Flore endémique du Littoral d'Oran: Aspects Systématiques et Ecologiques.
5. **Baliousis E., Samaropoulou S. & Bareka P.:** Micromorphological study of the seed coat surface of some *Trifolium* L. taxa in Greece and its systematic significance.
6. **Bancheva S.:** Karyological study of some *Centaurea* species (*Compositae*) from the Bulgarian flora.
7. **Bareka P., Stavropoulos P., Samaropoulou S. & Kamari G.:** PhytoKaryon: A karyological database of the Flora Hellenica.
8. **Bazos I., Zikos A. & Constantinidis Th.:** Distribution patterns of endemic and range restricted taxa on Lesbos island (East Aegean, Greece).
9. **Beddiar A. & Dafri A.:** Ecology, identification and symbiosis of desert truffles from northeastern algerian coastal dunes.
10. **Bendjedou H., Bennaceur M. & Benamar H.:** Phytochemistry and biological activities of *Lycium* from Algeria.
11. **Bertsouklis K., Paraskevopoulou A., Villani M. & Zarkadoula N.:** Exploring a method for the conservation of *Juniperus phoenicea* at two sensitive ecosystems in Greece and Croatia.
12. **Blanché C., Herrando-Moraira S., del Hoyo A., López-Pujol J., Massó S., Rosselló J. A., Simon J. & Bosch M.:** Planning above species level is sometimes better for effective plant conservation.
13. **Bordjiba O. & Benkherara S.:** Study of the therapeutic power of the methanolic extract of an endemic plant (*Hammada scoparia*) from southeastern Algeria on the oxidative effect induced by an organophosphorus pesticide in albino Wistar rats.
14. **Bozkurt M., Şimşek Sezer E. N., Demirelma H., Dural H. & Uysal T.:** Chromosome Number and karyomorphologic analysis of Endemic *Muscari sivrihisardaghlarensis*.
15. **Bufano A., Paura B., Di Iorio A. & Brugiapaglia E.:** Alimurgical plants database in Italy.
16. **Bulut G., Dogan A., Haznedaroglu M.Z., Senkardes I., Ulger M., Satiroglu A., Can Emmez B. & Tugay O.:** A cretan song on Taurus Mountains: medicinal and edible plants of Ihsaniye village (Mersin - Turkey).
17. **Camarda I. & Raimondo F. M.:** Taxonomic remarks on *Daphne oleoides* s.l. (*Thymilaeaceae*) from Sardinia.

18. **Çelik B. & Yeşil Y.:** An ethnobotanical study in Pöhrenk (Çiçekdağı-Kirşehir/Turkey).
19. **Cetlová V., Zozomová-Lihová J., Melichárková A. & Španiel S.:** European annual species of *Alyssum* (Brassicaceae): phylogenetic relationships and origin of polyploids.
20. **Choreftakis M., Gkelis S., Hanlidou E. & Karousou R.:** Digging botanical history with digital tools: the Thessaloniki Aristotle University Herbarium case.
21. **Coşkunçelebi K., Erdem Güzel M. & Makbul S.:** Presence of *Lactuca acanthifolia* (Willd.) Soják in Turkey.
22. **Dolina K., Luczaj Ł. & Jeričević M.:** Ethnobotany of the Island of Korčula (Croatia).
23. **Domina G., Galasso G., Bartolucci F., Conti F., Caputo P., Bacchetta G., Minuto L. & Peruzzi L.:** Names of Italian vascular plants published by P. Gabriel Strobl.
24. **Ertugrul K.:** The Genus *Aethionema* Aiton s.l. (Brassicaceae) in Turkey.
25. **Ghobad-Nejhad M. & Bernicchia A.:** Are there any Mediterranean polypore fungi in Iran?
26. **Gómez-Bellver C., Laguna E., Agut A., Ballester G., Fos S., Guillot D., Francisco S., Oltra J. E., Pérez Rovira P., Deltoro V., Ibáñez N., Herrando-Moraira S., Nualart N. & López-Pujol J.:** The recent neophyte *Opuntia aurantiaca* Lindl.: distribution and potential invasion in Spain.
27. **Goula K. & Constantinidis Th.:** Karyological studies in Greek *Anthemis* s.l. (Anthemideae, Asteraceae).
28. **Goumri A. F., Kawas N., Bekkouche L. & Boukortt F.:** Comparative study of antioxidative activity and phytochemical composition of two seaweeds *Ulva lactuca* (green algae) and *Halopithys incurva* (red algae).
29. **Gounssa A., Hormat K., El Aboudi A., Ezzahra El Alaoui Faris F., Tahiri H., Guennoun N. & Arahou M.:** Contribution to the karyological knowledge of Moroccan Flora.
30. **Gültepe M., Coşkunçelebi K., Makbul S. & Erdem Güzel M.:** Notes on *Tragopogon fibrosus* a restricted endemic to Turkey.
31. **Halfaoui Y., Ighilhariz Z. & Kadiri A.:** Multiplication d'*Atriplex halimus* par la culture des tissus *in vitro*.
32. **Hanlidou E., Koutouvela E. & Tsoulkanaki O.:** New alien taxa in the rice-fields of the National Park of the Delta of Axios-Loudias-Aliakmon (N Greece).
33. **Ighilhariz Z., Halfaoui Y. & Kadiri A.:** Micropropagation *in vitro* d' *Atriplex halimus*.
34. **Karousou R., Siaraka K. & Hanlidou E.:** Dimitrios Zaganiaris' botanical collections in the Thessaloniki Aristotle University (TAU) Herbarium.
35. **Karamplianis Th., Campisi R., Samaropoulou S., Heywood Ch., Bareka P. & Kamari G.:** Seed surface micro/macro-morphology of the genus *Crocus* L. (Iridaceae): A preliminary taxonomic study.
36. **Kontopanou A. & Panitsa M.:** Endemic chasmophytes' richness and phytogeographical patterns in Greece: The family of Asteraceae.
37. **Koutroumpa K., Warren B. H., Theodoridis S., Coiro M., Romeiras M. M., Jiménez A. & Conti E.:** Phylogeny, biogeography and diversification patterns of *Limonium* (sea lavenders).

38. **Kučera J., Kantor A., Vrbová M., Šrámková G. & Slovák M.:** Evolution and biogeography of members of the genus *Cardamine* in the Asia Minor, Near East and Caucasus.
39. **Kyrkas D., Echevarria G., Benizri E., Mantzos N., Patakioutas G., Kidd P. S., Morel J. L., Simonnot M. O., Dimitrakopoulos P. & Konstantinou M.:** Hyperaccumulators, native in Northern Pindus (Greece) used as “Metal Crops” for nickel recovery.
40. **Lachmayer M., Rainer H., Gutermann W. & Reich D.:** The type specimens of the Halácsy Graecum collection.
41. **Łuczaj Ł., Jug-Dujaković M., Dolina K., Jeričević M. & Vitasović-Kosić I.:** The Ethnobotany and Biogeography of Wild Vegetables in the Adriatic Islands.
42. **Magrini S., Bonomi C., Bacchetta G., Bedini G., Borzatti A., Carasso V., Casavecchia S., Ceriani R., Cristaudo A., Di Cecco V., Di Martino L., Fabrini G., Gasparri R., Guglielmo F., Lazzeri V., Mariotti M., Negri V., Porceddu M., Scialabba A., Villani M., Zappa E. & Salmeri C.:** “Mediterranean plant germination reports”: a new series available in *Flora Mediterranea* journal.
43. **Makbul S., Gültepe M. & Coşkunçelebi K.:** Presence of *Scorzonera hispanica* (Asteraceae) in Turkey.
44. **Marcysiak K., Mazur M. & Krasnylenko Y.:** Morphological differentiation of *Juniperus excelsa* in the Sub-Mediterranean part of Crimea.
45. **Marhold K., Kempa M., Šingliarová B., Skokanová K., Smatanová J. & Šlenker M.:** CardaBase - online karyological and nomenclatural database of the tribe *Cardamineae*.
46. **Marić J., Stojadinov I. & Karaman M.:** Inhibition of Acetylcholinesterase enzyme with autochthonous fungal species from Serbia.
47. **Mariotti Lippi M., Domina G., Florenzano A., Montanari C., Guido M., Pescini V., Menozzi B. I., Panetta A., Cevasco R., Moreno D., Allevalo E., Attolini D., Bacchetta G., Benatti A., Bosi G., Clò E., Costantini L., D’Auria A., Di Pasquale G., di Sansebastiano G. P., Marchesini M., Marvelli S., Masi A., Mazzanti M., Montecchi M. C., Rinaldi R., Sadori L., Sarigu M., Speciale C., Uccesu M., Torri P., Mercuri A. M.:** Proposals for rural landscape and archaeological site flora management: the contribution of archaeobotany through the BRAIN network research.
48. **Mazur M. & Marcysiak K.:** Intraspecific differentiation of *Juniperus sabina* L. (Cupressaceae) – morphology versus DNA.
49. **Meço M., Mullaj A., Gjeta E., Saliq O. & Tsiripidis I.:** New records of three plant species in Albania.
50. **Mertzani D., Koureas D., Assimopoulou A. & Kokkini S.:** Geographic variation of essential oils: The case of *Origanum onites* and *O. vulgare* subsp. *hirtum* in East Mediterranean.
51. **Mifsud S.:** **New records**, taxonomic updates, and new locations for some alien species occurring in the Maltese Islands.
52. **Pallia T. & Kokkini S.:** *Silene flavesces* subsp. *thessalonica*: The landmark of the Byzantine Walls of Thessaloniki.

53. **Papafotiou M., Vlachou G., Trigka M., Martini A. N. & Bertsouklis K. F.:** The xerophytic parterre of the historic botanical garden of Agricultural University of Athens.
54. **Papanikolaou A. & Panitsa M.:** Lake islands: Floristic composition of a habitat island in the protected area of Kastoria lake (NW Greece).
55. **Paura B., Di Iorio A., Salerno G. & Bufano A.:** The Database of the Italian Alimurgical Flora (AlimurgITA): First results.
56. **Pavlopoulou M. G. & Panitsa M.:** Plant species diversity and cultural environment of the habitat island of Ancient Messini archaeological area (SW Peloponnisos, Greece).
57. **Poulaki S., Keki M. & Kokkini S.:** Finding and identifying *Hypericum* L. plants in North and South Greece.
58. **Pyrka I. & Vlachonasios K.:** Discrimination of species of the genus *Hypericum* L. using DNA barcoding.
59. **Raptis D., Karousou R. & Hanlidou E.:** An exploration of the historical collection of TAU Herbarium: the specimens from the 19th century.
60. **Rincón-Barrado M., Villaverde T., Sanmartín I. & Riina R.:** Disentangling the Macaronesian riddle in Rand Flora disjunctions using population-level genomics: the sweet tabaiba.
61. **Rovithi E., Thanopoulos R. & Bebeli P. J.:** Diversity of *Lathyrus ochrus* (L.) DC. in Lam. & DC. landraces in island regions of Greece.
62. **Rubió C., Herrando-Moraira S., Nualart N., Vilatersana R. & López-Pujol J.:** Approach to the invasive potential of *Senecio pterophorus* using SDMs and niche comparison analyses.
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