

# ***Apiales V***

## **The Fifth International Apiales Symposium**

***Institute of Botany  
University of Vienna***

***Rennweg 14, A-1030, Vienna, Austria***

**24 – 26 July 2005**

# Program Overview

## *Sunday Evening, 24 July*

- 18:00–19:00** **Pre-registration.** *Main Hallway, Institute of Botany (see attached map).* Payment of fees by registered participants (Registration: 60 € or US \$75; Symposium Dinner: 35 € or US \$45). Speakers (especially Monday morning speakers) should prepare presentations (load slides/Powerpoints) in *Hörsaal*.
- 18:00–20:00** **Poster hanging.** *Austellungszimmer or Main Hallway.*
- 18:00–20:00** **Cocktails.** *ÜR3.* Wine, beer, chips, pretzels, bread, and small sandwiches.

## *Monday, 25 July*

- 8:00** **Registration.** *Main Hallway.* Payment of fees by registered participants (Registration: 60 € or US \$75; Symposium Dinner: 35 € or US \$45). Speakers should prepare presentations (load slides/Powerpoints) in *Hörsaal*.
- 9:00–9:20** **Welcome** (Dr. Tod Stuessy, Host, Institute of Botany) *and* **Opening Remarks** (Dr. Pete Lowry, Symposium Organizer).
- 9:20–10:20** **Lecture Session 1.** *Hörsaal.*
- 10:30–11:00** Coffee Break. *ÜR3.*
- 11:00–12:40** **Lecture Session 2.** *Hörsaal.*
- 13:00–14:30** Catered Lunch.
- 14:30–15:30** **Lecture Session 3.** *Hörsaal.*
- 15:30–16:00** **Group Photo Session**
- 16:00–16:30** Coffee Break. *ÜR3.*
- 16:30–18:00** **Poster Session A.** *Austellungszimmer or Main Hallway.*  
Posters 1–11.
- 19:00** **Symposium Dinner.** *Salmbräu (im Keller).*

## *Tuesday, 26 July*

- 8:00** **Registration** for late arrivals. *Main Hallway.*
- 9:00–10:20** **Lecture Session 4.** *Hörsaal.*
- 10:30–11:00** Coffee Break. *ÜR3.*
- 11:00–12:40** **Lecture Session 5.** *Hörsaal.*
- 13:00–14:30** Catered Lunch.
- 14:30–15:10** **Lecture Session 6.** *Hörsaal.*
- 15:10–16:10** **Poster Session B.** *Austellungszimmer or Main Hallway.*  
Posters 12–19
- 16:10–16:30** Coffee Break. *ÜR3.*
- 16:00–18:00** **Discussion Forum & Closing Remarks.** *Hörsaal.*

# Session Details

## *Day 1: Monday, 25 July*

### **Lecture Session 1 (9:20–10:20)**

- 9:00–9:20** T. Steussy (Welcome); P. P. Lowry II (Opening Remarks).
- 9:20–9:40** M.G. Pimenov. *Umbelliferae systematics today: “Morphology versus molecules”*.
- 9:40–10:00** S.R. Downie, D.S. Katz-Downie, K. Spalik, C.-S. Lee, M.A. Feist, C. Calviño, T. Bone & F.-J. Sun. *Further phylogenetic studies in Apiaceae tribe Oenantheae: generic-level relationships and resolution within the “North American endemics” clade*.
- 10:00–10:20** K. Spalik & S.R. Downie. *The phylogeography of Apiaceae tribe Oenantheae Dumort.: assessing the role of long-distance dispersal in shaping biogeographic patterns in hydrophytes*.

### **Lecture Session 2 (11:00–12:40)**

- 11:00–11:20** C.I. Calviño, S.R. Downie, P.M. Tilney & B-E. van Wyk. *Relationships within Apiaceae subfamilies Saniculoideae and Apioideae based on phylogenetic analyses of cpDNA rps16 intron sequences*.
- 11:20–11:40** B.-E. van Wyk, S.R. Downie, P.M. Tilney & N.N. Phephu. *A taxonomic study of the woody southern African species of Peucedanum*.
- 11:40–12:00** S.S. Neves & M.F. Watson. *Systematics and evolution in Bupleurum: current knowledge and research challenges*.
- 12:00–12:20** A.A. Oskolski. *Structure of secondary xylem in woody Apiaceae: a comparative study*.
- 12:20–12:40** P.J.D. Winter. *A preliminary taxonomic review of the four pan African genera Alepeidea, Heteromorpha, Peucedanum and Pimpinella (Apiaceae)*.

### **Lecture Session 3 (14:30–15:30)**

- 14:30–14:50** T.A. Ostroumova & M.G. Pimenov. *Umbelliferae of Russia*.
- 14:50–15:10** M.F. Watson, S. Menglan, F. Pu & Z. Pan. *Flora of China Apiaceae: past, present and future*.
- 15:10–15:30** E.Y. Yembaturova. *Helwingia and other genera at the turn of Apiales (Araliales) and Cornales—evidence that fruit anatomy can provide*.

### **Group Photo Session (15:30–16:00)**

## Poster Session A (16:30–18:00) Posters 1–11

1. **P.M. Tilney, B.-E. van Wyk & M. Liu.** *Phylogenetic trends in fruit structure of Apiaceae.*
  2. **M. Iovene, E. Grzebelus & P.W. Simon.** *Cytogenetic comparisons among Apiaceae.*
  3. **G.V. Degtjareva, E.V. Kljuykov & M.G. Pimenov.** *ITS-phylogeny in Bunium and some other arid and subarid geophytes in Umbelliferae-Apioideae of the Ancient Mediterranean.*
  4. **E.A. Zakharova & M.G. Pimenov.** *Carpoanatomy supports polyphyly in Podistera (Umbelliferae/Apiaceae) and generic status of Orumbella.*
  5. **R. Kurzyna-Mlynik, R. Kopacz, A. Wojewódzka, A.A. Oskolski & K. Spalik.** *Polyphyly of the genus Ferula and the affinity of most of its members to tribe Scandiceae (Apiaceae) based on rDNA ITS sequence variation.*
  6. **A. Wojewódzka.** *Polyphyly of tribe Laserpitieae and its inclusion in tribe Scandiceae subtribe Daucineae (Apiaceae): inference from fruit morphology and rDNA ITS data.*
  7. **P. Straka & T. Nothnagel.** *New results in development of genetic maps in Daucus.*
  8. **M.D. Logacheva, C.M. Valiejo-Roman & M.G. Pimenov.** *Molecular and morphological appraisal of relationships within Umbelliferae-Tordylieae.*
  9. **J.-H. Paik.** *Systematics of Heracleum L. (Umbelliferae, Apiaceae subfamily Apioideae) and related genera in the Sino-Himalayan region based on phylogenetic analysis of nuclear (ITS) DNA sequences and fruit anatomy.*
  10. **J.-H. Paik & M.F. Watson.** *Anatomical investigation of fruits of Heracleum L. (Umbelliferae, Apiaceae subfamily Apioideae) and related genera in the Sino-Himalayan region and its taxonomic implications.*
  11. **M. Zych.** *Phylogeny and evolution of flower characters in European Heracleum L. (Apiaceae: Apioideae)*
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## Day 2: Tuesday, 26 July

### Lecture Session 4 (9:00–10:20)

- 9:00–9:20** **A.R. Magee, B.-E. van Wyk, P.M. Tilney & M. van der Bank.** *A revision of the genus Arctopus (Saniculoideae, Apiaceae).*
- 9:20–9:40** **P.M. Tilney & B.-E. van Wyk.** *An anatomical study of Lichtensteinia Cham. & Schltld. and a re-evaluation of its taxonomic position.*
- 9:40–10:00** **A. Wörz.** *The revision of the genus Eryngium L. (Apiaceae, Saniculoideae): morphological, ecological, chorological and cytological results.*
- 10:00–10:20** **M.J. Henwood, A. Perkins & A. Marchant.** *Insights into the phylogenetic relationships of Australian genera of Apiaceae.*

## Lecture Session 5 (11:00–12:40)

- 11:00–11:20 **P. Lu-Irving.** *Insights into the phylogeny and systematics of Trachymene (Araliaceae).*
- 11:20–11:40 **F. Tronchet, G.M. Plunkett, J. Jérémie & P.P. Lowry II.** *Phylogeny, biogeography and morphology of the Pacific genus Meryta (Araliaceae).*
- 11:40–12:00 **G.M. Plunkett & P.P. Lowry II.** *Polyscias s. lat. (Araliaceae) in the Indian Ocean basin: paraphyly, polyphyly, and multiple dispersals.*
- 12:00–12:20 **P.P. Lowry II & G.M. Plunkett.** *Breaking up is hard to do: a road map to generic realignments in Polyscias s. lat. and Schefflera s. lat. (Araliaceae).*
- 12:20–12:40 **J. Wen, C. Lee, G.M. Plunkett & P.P. Lowry II.** *Diversity and evolution of Araliaceae in Asia.*

## Lecture Session 6 (14:30–15:10)

- 14:30–14:50 **D. Sokoloff, A. Oskolski & M. Remizowa.** *Floral morphology of some Schefflera species related to Tupidanthus (Araliaceae).*
- 14:50–15:10 **A.I. Konstantinova & E.Y. Embaturova.** *Comparative fruit morphology of some Araliaceae genera.*

## Poster Session B (15:10–16:10) Posters 12–19

12. **M.G. Pimenov, E.V. Kljuykov & T.A. Ostroumova.** *Critical taxonomic analysis of Johreniopsis, Johrenia and some related genera of Umbelliferae–Apioideae–Peucedaneae.*
13. **E.V. Kljuykov & I.O. Filatova.** *Middle Asia as the greatest center of diversity of ephemeroïd Umbelliferae (Apiaceae) in the Old World*
14. **S. Ouahabi, A. Boulanger, J.-P. Reduron & B. Muckensturm.** *Phytochemical investigation of one of the sources of gum-resin Opopanax.*
15. **A. Boulanger, M. Farahi, J.-P. Reduron & B. Muckensturm.** *Secondary metabolites from Eryngium species.*
16. **V. Valcárcel & P. Vargas.** *Asian origin, Mediterranean differentiation and back-colonization of ivies (Hedera L., Araliaceae).*
17. **E.L. Kotina & A.A. Oskolski.** *Bark anatomy of Meryta (Araliaceae)*
18. **I. Konstantinova.** *Relationships among “ancient Araliads” in the light of the data of comparative carpology.*
19. **G.T. Chandler, S.M. Pinney, L.W. Cayzer & G.M. Plunkett.** *A Molecular systematic study and overview of Pittosporaceae.*

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