**Parts of Publications**

1. Wu, Rui, Cun, Shuang, Gao, Yongqian, Zhang, Lin, Lev-Yadun, Simcha, **Sun, Hang**\*, Song, Bo\*, Distribution patterns of glandular trichomes in the flora of the Hengduan Mountains, southwestern China, ***Botnaical Journal of the Linnean Society***,207(2025):83-94.
2. Chen, Kaiyun#, Wang, Jindan#, Xiang, Ruiqi, Yang, Xuedan, Yun, Quanzheng, Huang, Yuan\*, **Sun, Hang**\*, Chen, Jiahui\*, Backbone phylogeny of Salix based on genome skimming data, ***Plant Diversity***, (2024), https://doi.org/10.1016/j.pld.2024.09.004.
3. Song, Bo, Chen, Jiaqi, Lev-Yadun, Simcha, Niu, Yang, Gao, Yongqian, Ma, Rong, Armbruster, W. Scott\*, **Sun, Hang**\*, Multifunctionality of angiosperm floral bracts: a review, ***Biological Review***, (2024), doi:10.1111/brv.13060.
4. Cun, Shuang#, Zhang, Chan#, Chen, Jiaqi, Qian, Lishen, **Sun, Hang**\*, Song, Bo\*, Effects of UV-B radiation on pollen germination and tube growth: A global meta-analysis, ***Science of the Total Environment,*** (2024), https://dor.org/10.1016/j.scitotenv.2024,170097.
5. Shi, Honghua, Yang, Bin, Lyu, Tong, Wang, Zhiheng\*, **Sun, Hang**\*, Contraction and expansion: global geographical variation in reproductive systems of Primula is driven by different mechanisms, ***Journal of Biogeography***, (2024), doi:10.1111/jbi,14849.
6. Ma, Xiangguang, Ren, Yuebo, **Sun, Hang**\*, Introgression and incomplete lineage sorting blurred phylogenetic relationship across the genomes of sclerophyllous oaks from southwest China, ***Cladistics*** 40(2024):357-373.
7. Zhang, Xu, Chen, Juntong, Guo, Hongtao, Gao, Shenghan, Ren, Baoqing, Sun, Yanxia, Deng, Tao, **Sun, Hang**\*, Wang, Hengchang\*, A high-quality genome assembly of the shrubby cinquefoil (Dasiphora fruticosa), ***Scientific data,*** (2024)11:950,http://doi.org/10.1038/s41597-024-03781-4.
8. Huang, Tao#, Song, Bo#, Chen, Zhe, **Sun, Hang**\*, Niu, Yang\*, Pollinator shift ensures reproductive success in a camouflaged alpine plant, ***Annals of Botany***, 134(2024):325-335.
9. Rana, Santosh Kumar, Rana, Hum Kala, Landis, Jacob B., Kuang, Tianhui, Chen, Juntong, Wang, Hengchang, Deng, Tao\*, Davis, Charles C.\*, **Sun, Hang**\*, Pleistocene glaciation advances the cryptic speciation of Stellera chamaejasme L. in a major biodiversity hotspot, ***Journal of Integrative Plant Biology***, (2024) https://doi.org/10.1111.jipb.13663.
10. Zhou, Zhuo#, Chen, Zhe#, Guo, Zemin, Truong Van Do, Niu, Yang, **Sun, Hang**\*,Taxonomic notes on Brandisia (Orobanchaceae), ***Phytotaxa*** 653(1)(2024):041-050.
11. Huang, Deqing#, Ma, Xiangguang#\*, **Sun, Hang**\*,Phylogenomic analyses and chromosome ploidy identification reveal multiple cryptic species in Allium sikkimense complex (Amaryllidaceae), ***Frontiers in Plant Science***, (2024), doi 10.3389/fpls.2023.1268546.
12. Yang, Pengfei#, Niu, Mengqiu#, Fu, Quansheng, Qian, Lishen, Huang, Meihong, Li, Zhimin, **Sun, Hang**\* and Chen, Jianguo\*, Ecosystem engineers can regulate resource allocation strategies in associated plant species, ***Frontiers in Plant Science***, (2024), doi 10.3389/fpls.2024.1387951.
13. Yang, Shunquan#, Chen, Juntong#, Li, Zhimin, Huang, Xianhabn, Zhang, Xu, Liu, Qun, Tojibev, Komiljon, **Sun, Hang**\*, Deng, Tao\*, Comparative chloroplast genomes of Dactylicapnos species: insights into phylogenetic relationships, ***BMC Plant Biology***, (2024) 24:350. <https://doi.org/10.1186/s12870-024-04989-7>.
14. Chen, Xufang, Qing, Lishen, Shi, Honghua, Zhang, Yazhou, Song, Minshu, **Sun, Hang**\*, Chen, Jianguo\*, Allelopathic potentials of surroding vegetation on seedling establishment of alpine cushion Arenaria polytrichoides Edgew., ***Journal of Plant Ecology***, (2024),http://doi.org/10/1093/jpe/rtae026.
15. Chen, Juntong#, Lidén, Magnus#, Huang, Xianhan#, Zhang, Liang, Zhang, Xinjian, Kuang, Tianhui, Landis, Jacob B., Wang, Dong, Deng, Tao\*, **Sun**, **Hang**\*, An updated classification for the hyper-diverse genus *Corydalis* (Papaveraceae: Fumarioideae) based on phylogenomic and morphological evidence, ***Jounral of Integrative Plant Biology***,(2023). https://doi.org/10.1111/jipb.13499
16. Huang, Tao, Chen, Zhe, Xu, Bo, **Sun**, **Hang**\*, Niu, Yang\*, Camouflaged plants are shorter than non-camouflaged plants in the alpine zone, ***Biology Letters***, 19(5)(2023),20220560. <http://doi.org/10.1098/rsbl.2022.0560>
17. Feng, Tao#, Pucker, Boas#, Kuang, Tianhui#, Song, Bo#, Yang, Ya, Lin, Nan, Zhang, Huajie, Moore, Michae J., Brockington, Saumuel F., Wang, Qingfeng, Deng, Tao\*, Wang, Hengchang\*, Sun, Hang\*, The genome of the glasshouse plant noble rhubarb (Rheum nobile) provides a window into alpine adaptation, ***Communications Biology,*** (2023)6:706, https://doi.org/10.1038/s42003-023-05044-1.
18. Ma, Rong, Xu, Qi, Gao, Yongqian, Peng, Deli, **Sun, Hang**\*, Song, Bo\*, Patterns and drivers of plant sexual systems in the dry-hot valley region of southwestern China, ***Plant Diversity***, (2023), https://doi.org/10.1016/j.pld.2023.07.10.
19. Chen, Jianguo#, Chen, Xufang#, Qian, Lishen, Zheng, Yazhou, Li, Bo, Shi, Honghua, Sun, Lu, Schob, Christian\*, **Sun, Hang**\*, Degeneration of the foundation cushion species induced by ecological constraints can cause massive changes in alpine plant communities, ***Science China in Life Sciences***, https://doi.org/10.1007/s11427-022-2383-6.
20. He, Xiaofang, Wang, Songwei, **Sun, Hang**\*, Korner, Christian\*, Yang, Yang\*, Water relations of “trailing-edge”evergreen oaks in the semi-ari upper Yangtze region, SE Himalaya, ***Journal of Systematics and Evolution***,vol. 59(2023)(6):1256-1265.
21. Peng, Junchu, Ma#, Xiangguang#, **Sun, Hang**\*, Ancient allopatry and ecological divergence act together to promoe plant diversity in mountainous regions: evidence from comparative phylogeography of two genera in the Sino-Himalayan region, ***BMC Plant Biology***, (2023)23:572, https:// doi.org/10.1186/s12870-023-04593-1.
22. Chen, Zhe, Zhou, Zhuo, Guo, Ze-Min, Do Truong Van, **Sun, Hang**\*, Niu, Yang\*, Historical development of karst evergreen broadleaved forests in East Asia has shaped the evolution of a hemiparasitic genus Brandisia (Orobanchaceae), ***Plant Diversity***, (2023), https://doi.org/10.1016/j.pld.2023.03.005.
23. Luo, Dong, Song, Minshu, Xu, Bo, Zhang, Yu, Zhang, jianwen, Ma, Xiangguang, Hao, Xiaojiang\*, **Sun**, **Hang**\*, A clue to the evolutionary history of modern East Asian flora: Insights from phylogeography and diterpenoid alkaloid distribution pattern of the *Spiraea japonica* complex, ***Molecular Phylogenetics and Evolution***, 184(2023), 107772. https://doi.org/10.1016/j.ympev.2023.107772
24. Lin, Nan#, Liu, Qun#, Landis, Jacob B, Rana, Hum Kala, Li, Zhimin, Wang, Hengchang\*, **Sun**, **Hang\***, Deng, Tao\*, Staying in situ or shifting range under ongoing climate change: A case of an endemic herb in the Himalaya-Hengduan Mountains across elevational gradients, ***Diversity and Distributions***, 29(2023), 524-542.
25. Sun, Yanxia#, Zhang, Aidi#, Zhang, Xu#, Landis Jacob B, Zhang Huajie, Zhang Xiujun, **Sun**, **Hang**\*, Wang, Hengchang\*, Insigths into the differentiation and adaptation within Circaeasteraceae from Circaeaster agrestis genome sequencing and resequencing, ***iScience***, 26(3)(2023), 106159.
26. Weng, Long#, Jiang, Yunhui# Wang, Yong#, Zhang, Xuemei, Zhou, Ping, Wu, Mei, Li, Hongzhe\*, **Sun**, **Hang\***, Chen, Shaotian\*, Chloroplast genome characteristics and phylogeny of the sinodielsia clade (apiaceae: apioideae), ***BMC Plant Biology***, 23(2023), 284. https://doi.org/10.1186/s12870-023-04271-2
27. Zhang, Xu, Kuang, Tianhui, Dong, Wenlin, Qian, Zhihao, Zhang, Huajie, Landis, Jacob B, Feng, Tao, Li, Lijuan, Sun, Yanxia, Huang, Jinling, Deng, Tao\*, Wang, Hengchang\*, **Sun**, **Hang\***, Genomic convergence underlying high-altitude adaptationin alpine plants, ***Journal of Intergrative Plant Biology***, 65(7)(2023), 1620-1635.
28. Zhang, Xinjian, Gornall, Richard J, Zhang, Zhouxin, Chen, Juntong, **Sun**, **Hang**\*, Deng, Tao\*, A re-examination of the circumscription of *Saxifraga mengtzeana* (Saxifragagaceae), ***Ecology and Evolution***, 13(2023), 39886.
29. Chen, Hongliang, Al-Shehbaz Ihsan A, Qian Lishen, Zhang Jianwen, Xu Bo, Zhang Ticao, Yue, Jipei\*, **Sun**, **Hang**\*, *Pulvinatusia* (Brassicaceae), a new cushion genus from China and its systematic position, ***PhytoKeys***, 189(2022), 9-28.
30. Chen, Juntong#, Kuang, Tianhui #, Huang, Xianhan, Zhang, Xinjian, **Sun**, **Hang**\*, Deng, Tao\*. Taxonomic identity of *Corydalis lidenii* (Papaveraceae), ***Phytokeys***, 190(2022), 35-45.
31. Fu, Quansheng#, Huang, Xianhan#, Li,Lijuan#, Jin, Yi, Qian, Hong, Kuai, Xinyuan, Ye, Yaojun, Wang, Hengchang, Deng, Tao\*, **Sun**, **Hang\***, Linking evolutionary dynamics to species extinction for flowering plants in global biodiversity hotspots, ***Diversity and Distributions***, 28(2022), 2871-2885.
32. Li, Lijuan#, Xu, Xiaoting#, Qian, Hong, Huang, Xianhan, Liu, Pengju, Landis, Jacob B, Fu, Quansheng, Sun, Lu, Wang, Hengchang\*, **Sun**, **Hang**\*, Deng, Tao\*, Elevational patterns of phylogenetic structure of angiosperms in a biodiversity hotspot in eastern Himalaya, ***Diversity and Distribution***, 28(2022), 2534-2548.
33. Lv, Zhengyu#, Yusupov, Ziyoviddin#, Zhang, Daigui#, Zhang, Yazhou, Zhang, Xiaoshuang, Lin, Nan, Tojibaev, Komiljon, **Sun**, **Hang**\*, Deng,Tao\*, *Oreocharis xieyongii*, an unusural new species of Gensneriaceae from western Hunan, China, Plant Diversity, 44(2022), 222-230.
34. Qian, Lishen, Shi Honghua, Ou, Xiaokun\*, **Sun**, **Hang**\*, Elevational patterns of functional diversity and trait of *Delphinium* (Ranunculaceae) in Hengduan Mountains, China, ***Plant Diversity***, 44(2022), 20-29.
35. Rana, Hum Kala, Rana, Santosh Kumar, Luo, Dong\*, **Sun**, **Hang**\*, Existence of biogeographic barriers for the long-term Neogene-Quaternary divergence and differentiation of *Koenigia forrestii* in the Himalaya-Hengduan Mountains, ***Botanical Journal of the Linnean Society***, 201(2023), 230-253.
36. Rana, Santosh Kumar#, Rana, Hum Kala#, Stöocklin, Jürg, Ranjitkar, Sailesh, **Sun**, **Hang**\*, Song, Bo\*, Global warming pushes the distribution range of the two alpine 'glasshouse' *Rheum* species north-and upwards in the Eastern Himalayas and the Hengduan Mountains, ***Frontiers in Plant Science***, 13(2022), 925296. https://doi.org/10.3389/fpls.2022.925296
37. Song, Bo#, Sun, Lu#, Barrett, Spencer C.H, Moles, Angela T, Luo, Yahuang, Armbruster, W. Scott, Gao, Yongqian, Zhang, Shuang\*, Zhang, Zhiqiang\*, **Sun**, **Hang**\*, Global analysis of floral longevity reveals latitudinal gradients and biotic and abiotic correlates, ***New Phytologist***, 235(2022), 22054-2065.
38. **Sun**, **Hang**,When two biological species meet, will genetic exchange take place? ***National Science Review***, 9(12)(2022), nwac 292.
39. Shchegoleva, Natalia, V\*, Nikitina, Elena, Vasilievna, Juramurodov, Inom J, Zverev, Andrei A, Turginov, Orzimat T, Jabborov, Anvarbek Munibillaevich, Yusupov, Ziyoviddin, Dekhkonov, Davron B, Deng, Tao, **Sun**, **Hang**\*, A new species of *Ranunuculus* (Ranuculaceae) from Western Pamir-Alay, Uzbekistan lanuched to accelerat biodiversity research, ***PhytoKeys***, 193(2022), 125-139.
40. Yang, Lie, Sun, Lu, Peng, Deli, Chen, Guangjie, **Sun**, **Hang\***, Nie, Zelong\*, The significance of recent diversification in the Northern Hemisphere in shaping the modern global flora revealed drom the herbaceous tribe of Rubieae (Rubiaceae), ***Molecular Phylogentics and Evolution***, 177(2022), 107628.
41. Yusupo, Ziyoviddin#, Ergashov, Ibrokhimjon#, Volis, Sergei, Makhmudjanov, Dilmurod, Dekhkonov, Davron, Khassanov, Furkat, Tojibaev, Komiljon\*, Deng, Tao\*, **Sun**, **Hang**\*. Seed macro- and micromorphology in *Allium* (Amaryllidaceae) and its phylogenetic significance, ***Annals of Botany***, 129(2022), 869-911.
42. Zhang, Huajie#, Zhang, Xu#, Landis, Jacob B, Sun, Yanxia, Sun, Jiao, Kuang, Tianhui, Li, Lijuan, Tiamiyu, Bashir B, Deng, Tao, **Sun**, **Hang**\*, Wang, Hengchang\*, Phylogenomic and comparative analyses of *Rheum* (Polygonaceae, Polygonoideae), ***Journal of Systematics and Evolution***, 60(6)(2022), 1229-1240.
43. Zhang, Huajie#, Zhang, Xu#, Sun, Yanxia, Landis, Jacob B, Li, Lijuan, Hu, Guangwan, Sun, Jiao, Tiamiyu, Bashir B, Kuang, Tianhui, Deng, Tao\*, **Sun**, **Hang**\*, Wang, Hengchang\*. Plastome phylogenomics and biogeography of the subfam. Polygonoideae (Polygoniaceae), ***Frontiers in Plant Science***, 13(2022), 893201. https://doi.org/10.3389/fpls.2022.893201
44. Zhang, Yazhou#, Qian, Lishen#, Chen, Xufang, Sun,Lu, **Sun**, **Hang**\*, Chen, Jianguo\*, Diversity patterns of cushion plants on the Qinghai-Tibet Plateau: A basic study for future conservation efforts on alpine ecosystems, ***Plant Diversity***, 44(3)(2022), 231-242.
45. Chen, Jianguo#, Zhang, Yazhou#, Zhang, Hongrui, Schob, Christian, Wang, Songwei, Chang, Shuai, **Sun**, **Hang**\*,The positive effects of the alpine cushion plant *Arenaria polytrichoides* on insect dynamics are determined by both physical and biotic factors, ***Science of The Total Environment***, 762(2021), 143091.
46. Chen, Xufang, Qian, Lishen, Zhang, Yazhou, Shi, Honghua, **Sun**, **Hang\***, Chen, Jianguo\*, Alpine community recruitment potential is determined by habitat attributes in the alpine ecosystems of the Himalaya-Hengduan Mountains, SW China, ***Ecology and Evolution***, 11(2021), 17397-17408.
47. Fu, Quansheng#, Huang Xianhan#, Landis Jacob B, Liu Pengju, Li Lijuan, Lv Zhengyu, Chen Juntong, Wang Hengchang, Chen Jiahui, Jiang Xuelong, Jin Yi\*, **Sun**, **Hang**\*, Deng, Tao\*, Extinction risk in vascular plants and vertebrates is negatively correlated with family size, ***Global Ecology and Conservation***, 30(2021), e01781.
48. He, Xiaofang, Wang, Songwei, **Sun**, **Hang\***, Korner, Christian\*, Yang, Yang\*, Water relations of "trailing-edge" evergreen oaks in the semi-arid upper Yangtze region, SE Himalaya, ***Journal of Systematics and Evolution***, 59(2021), 1256-1265.
49. Huang, Xianhan#, Deng, Tao#, Chen Shaotian#, Landis Jacob B, Lin, Nan, Yang, Yi, Hu, Guangwan, Zhou, Zhuo, Wang, Yuehua, Wang, Hengchang\*, Tojibaev, Komiljon Sh\*, **Sun**, **Hang**\*, Western Tethys origin, tropical Asia and tropical American disjunction in *Berchemia* and renstatement of *Phyllogeiton* (Rhamneae, Rhamnaceae), ***Taxon***, 70(3)(2021), 515-525.
50. Lin, Nan, Landis, Jacob B., Sun, Yanxia, Huang, Xianhan, Zhang, Xu, Liu, Qun, Zhang, Huajie, **Sun**, **Hang**\*, Wang, Hengchang\*, Deng, Tao\*, Demographic history and local adaptation of *Myripnois dioica* (Asteraceae) provide insight on plant evolution in northern China flora, ***Ecology and Evolution***, 11(2021), 8000-8013.
51. Niu, Yang, Stevens, Martin\*, **Sun**, **Hang**\*, Commericial harvesting has driven the evolution of camouflage in alpine plant, Current Biology, 31(2021), 1-4.
52. Rana, Hum Kala, Rana, Santosh Kumar, **Sun**, **Hang\***, Fujikawa, Kazumi, Luo Dong, Joshi, Laxmi Raj, Ghimire, Suresh Kumar\*, *Saussurea talungensis* (Asteraceae), a new species from Humla, Nepal Himalayas, ***PhytoKeys***, 176(2021), 55-66.
53. Rana, Santosh Kumar, Ranan, Hum Kala, Luo, Dong\*, **Sun**, **Hang**\*, Estimating climate-induced ‘Nowhere ot go’ range shifts of the Himalayan *Incarvillea* Juss. using mutimodel median ensemble species distribution models, ***Ecological Indicators***, 121(2021), 107127.
54. Rana, Santosh Kumar, Luo, Dong, Rana, Hum Kala, Chen, Shaotian\*, Sun, Hang\*. Molecular phylogeny, biogeography and character evolution of the montane genus *Incarvillea* Juss. (Bignoniaceae), ***Plant Diversity***, 43(1)(2021), 1-14.
55. **Sun**, **Hang**\*, Li Zhimin, Landis Jacob B, Qian Lishen, Zhang Ticao, Deng, Tao\*, Effects of drainage reorganization on phytogeographic pattern in Sino-Himalaya, ***Alpine Botany***, 132(2021), 141-151.
56. Wu, Rui, Lev-Yadun, Simcha, Sun, Lu, **Sun**, **Hang**\*, Song, Bo\*, Higher elevations tend to have higher proportion of plant species with glandular trichomes, ***Frontiers in Plant Science***, 12 (2021), 632464.
57. Wang, Songwei, He, Xiaofang, Chen, Jianguo, **Sun**, **Hang**\*, Korner, Christian\*, Yang, Yang\*, Elevation-specific responses of phenology in evergreen oaks from their low-dry to their extreme high-cold range limits in the SE Himalaya, ***Alpine Botany***, 131 (2021),89-102.
58. Yang, Yi, Peng, Hua\*, **Sun**, **Hang**\*, Taxonomic revision of *Sageretia* (Rhamnaceae) from China I: identities of *S. lucid*, *S. thea* var. *cordiformis* and *S. yunlongensis*, with the description of a new species *S. ellipsoidea*. ***PhytoKeys***, 179(2021), 13-28.
59. Zhang, Xinjian#, Fu, Quansheng#, Chen, Juntong, Li, Lijuan, Luo, Pengrui, Peng, Jingyi, Huang, Xianhan, **Sun**, **Hang\***, Deng, Tao\*, *Saxifraga viridiflora* (Saxifragaceae), an unusual new species from Guangxi, China. ***PhytoKeys***, 184(2021), 19-26.
60. Zhang, Xu#, Landis Jacob B#, Sun Yanxia, Zhang Huajie, Lin Nan, Kuang Tianhui, Huang Xianhan, Deng, Tao\*, Wang, Hengchang\*, **Sun**, **Hang**\*, Macroevolution pattern of *Saussurea* (Asteraceae) provides insights into the drivers of radiating diversification, ***Proceedings of the Royal Society B***, 288(2021), 20211575.
61. Zhang, Xu, Sun Yanxia, Landis Jacob B, Shen Jun, Zhang Huajie, Kuang Tianhui, Sun Wengguang, Sun Jiao, Tiamiyu Bashir B, Tao Deng, **Sun**, **Hang**\*, Wang, Hengchang\*, Transcroptomes of *Saussurea* (Asteraceae) provide insights into high-altitude adaptation, ***Plants***, 10(2021), 1715.
62. Zhang, Yazhou, Chen, Jianguo\*, **Sun**, **Hang**\*, Alpine speciation and morphological innovations: revelations from a species-rich genus in the northern hemisphere, ***AoB Plants***, 13(3)(2021), plab018.
63. Zhang, Yazhou, Qian Lishen, Spalink Daniel, Sun Lu, Chen Jianguo\*, **Sun**, **Hang**\*, Spatial phylogenetics of two topographic extremes of the Hengduan Mountains in southwestern China and its implications for biodiversity conservation, ***Plant Diversity***, 43(2021), 181-191.
64. Zhang, Yongzeng**#**, Deng, Tao#, Sun, Lu**#**, Landis, Jacob B.**#**, Moore, Michael J., Wang, Hengchang, Wang, Yuehua, Hao, Xiaojiang, Chen, Jijun, Li, Shenghong, Xu, Maonian, Puno, Pema-Tenzin, Raven, Peter H\*, **Sun**, **Hang\***. Phylogenetic patterns suggest frequent multiple origins of secondary metabolites across the seed plant “tree of life”. ***National Sciences Review***, 8(2021),nwaa105, Doi: 10.1093/nsr/nwaa105.
65. Zhou, Zhuo, Guo, Yongjie, Yue, Jipei, Chen, Hongliang, Tan, Yunhong\*, **Sun**, **Hang**\*, *Amblyanthus chenii* (Primulaceae), a new species and generic record from Xizang, China, ***Systematic Botany***, 46 (1)( 2021), 152-161.
66. Chen, Hongliang, German, Dmitry A., Al-Shehbaz, Ihsan A., Yue, Jipei\*, **Sun**, **Hang**\*, Phylogeny of Euclidieae (Brassicaceae) based on plastome and nuclear ribosomal DNA data, ***Molecular Phylogenetics and Evolution***, 153(2020), 106940.
67. Chen, Jianguo, Yang, Yang, Wang, Songwei, **Sun**, **Hang\***, Schöb, Christian\*, Shrub facilitation promotes selective tree establishment beyond the climatic treeline, ***Science of The Total Environment***, 708(2020), 134618. https://doi.org/10.1016/j.scitotenv.2019.134618
68. Chen, Juntong#, Zhang, Daigui#, Lv, Zhenyu, Huang, Xianhan, Liu, Pengju, Yang, Jianing, Yang, Jingyuan, Tojibaev, Komiljon, Deng, Tao\*, **Sun**, **Hang\***, *Oxytropis shennongjiaensis* (Fabaceae), a new species from Hubei, Central China, ***Phytokeys***, 149(2020), 117-128.
69. Chen, Zhe, Liu, Changqiu, **Sun**, **Hang\***, Niu, Yang\*, The ultraviolet colour component enhances the attractiveness of red flowers of a bee-pollinated plant, ***Journal of Plant Ecology***, 13(3)(2020), 354-360.
70. Chen, Zhe#, Niu, Yang#\*, Liu, Changqiu, **Sun**, **Hang**\*, Red flowers differ in shades between pollination systems and across continents, ***Annals of Botany***, 126(2020), 837-848.
71. Deng, Tao#, Lin, Nan#, Huang, Xianhan, Wang, Hengchang, Kim, Changkyun, Zhang, Daigui, Zhu, Weidong, Yusupov, Ziyoviddin, Tojibaev, Komiljon Sh.\*, **Sun**, **Hang**\*, Phylogenetics of Mazaceae (Lamiales), with special reference to intrageneric relationships within *Mazus*, ***Taxon***, 68(5)(2019), 1037-1047.
72. Huang, Hongwen, **Sun**, **Hang**\*, Zhou, Zhekun, Sharing earth with all life, ***Plant Diversity***, 42(2020), 209-210.
73. Luo, Dong, Bo, Xu, Li, Zhimin, **Sun**, **Hang\***, Biogeographical divides delineated by the three-step landforms of China and the East China Sea: Insights from the phylogeography of *Kerria japonica*, ***Journal of Biogeography***, 48(2)(2020), 372-385.
74. Lv, Zhenyu#, Zhang, Jianwen#, Chen, JunTong, Li, Zhimin\*, **Sun**, **Hang\***, The complete chloroplast genome of *Soroseris umbrella* (Asteraceae), ***Mitochondrial DNA Part B***, 5(1)(2020), 637-638.
75. Peng, Junchu#, Ma, Xiangguang#, Wang, Yuehua, **Sun**, **Hang\***, New insights into the evolutionary history of *Megacodon*: Evidence from a newly discovered species, ***Plant Diversity***, 42(3)(2020), 198-208.
76. Qian, Lishen, Chen, Jiahui, Deng, Tao\*, **Sun**, **Hang**\*, Plant diversity in Yunnan: Current status and future directions, ***Plant Diversity***, 42(4)(2020), 281-291.
77. Rana, Santosh Kumar#, Luo, Dong#, Rana, Hum Kala, O'Neill, Alexander Robert, **Sun**, **Hang\***, Geoclimatic factors influence the population genetic connectivity of *Incarvillea arguta* (Bignoniaceae) in the Himalaya–Hengduan Mountains biodiversity hotspot, ***Journal of Systematics and Evolution***, 59(1)(2021), 151-168.
78. Rana, Santosh Kumar#, Rana, Hum Kala#, Ranjitkar, Sailesh, Ghimire, Suresh Kumar, Gurmachhan, Chandra Mohan, O'Neill, Alexander Robert, **Sun**, **Hang**\*, Climate-change threats to distribution, habitats, sustainability and conservation of highly traded medicinal and aromatic plants in Nepal, ***Ecological Indicators***, 115(2020), 106435. https://doi.org/10.1016/j.ecolind.2020.106435
79. Song, Bo, Gao, Yongqian, Stöcklin, Jürg, Song, Minshu, Sun, Lu, **Sun**, **Hang\***, Ultraviolet screening increases with elevation in translucent bracts of *Rheum nobile* (Polygonaceae), an alpine 'glasshouse' plant from the high Himalayas, ***Botanical Journal of the Linnean Society***, 193(2)(2020). 276-286
80. Song, Bo, Stoll, Peter, Peng, Deli, **Sun**, **Hang\***, Stöcklin, Jürg\*, Demography of the giant monocarpic herb *Rheum nobile* in the Himalayas and the effect of disturbances by grazing, ***Annals of Botany***, 125(3)(2020), 447-458.
81. Sun, Guiling#, Bai, Shenglong#, Guan, Yanlong, Wang, Shuanghua, Wang, Qia, Liu, Yang, Liu, Huan, Goffinet, Bernard, Zhou, Yun, Paoletti, Mathieu, Hu, Xiangyang, Haas, Fabian B., Fernandez-Pozo, Noe, Czyrt, Alia, **Sun**, **Hang**\*, Rensing, Stefan A.\*, Huang, Jinling\*, Are fungi-derived genomic regions related to antagonism towards fungi in mosses? ***New Phytologist***, 228(2020), 1169-1175.
82. Shen, Jun#, Zhang, Xu#, Landis, Jacob B., Zhang, Huajie, Deng, Tao, **Sun Hang\***, Wang, Hengchang\*, Plastome evolution in *Dolomiaea* (Asteraceae, Cardueae) using phylogenomic and comparative analyses, ***Frontiers in Plant Sciences***, 11(2020), 376. https://doi.org/10.3389/fpls.2020.00376
83. Sun, Lu#, Luo, Jian#, Qian, Lishen, Deng, Tao\*, **Sun**, **Hang\***, The relationship between elevation and seed-plant species richness in the Mt. Namjagbarwa region (Eastern Himalayas) and its underlying determinants, ***Global Ecology and Conservation***, 23(2020), e01053. https://doi.org/10.1016/j.gecco.2020.e01053
84. Sun, Wenguang, Wang, Haixia, Wu, Rui, **Sun**, **Hang**\*, Li, Zhimin\*, Karyomorphology of three endemic plants (Brassicaceae: Euclidieae and Arabideae) from the Qinghai-Tibet Plateau and its significance, ***Plant Diversity***, 42(3)(2020), 135-141.
85. Sun, Yanxia#, Deng, Tao#, Zhang, Aidi#, Moore, Michael J., Landis, Jacob B., Lin, Nan, Zhang, Huajie, Zhang, Xu, Huang, Jinling, Zhang, Xiujun\*, **Sun**, **Hang\***, Wang, Hengchang\*, Genome sequencing of the endangered *Kingdonia uniflora* (Circaeasteraceae, Ranunculales) reveals potential mechanisms of evolutionary specialization, ***iSciences***, 23(5)(2020), 101124. https://doi.org/10.1016/j.isci.2020.101124
86. Tian, Bin, Fu, Yi, Milne, Richard I., Mao, Kangshan, Sun, Yongshuai\*, Ma, Xiangguang, **Sun**, **Hang\***, A complex pattern of post-divergence expansion, contraction, introgression, and asynchronous responses to Pleistocene climate changes in two *Dipelta* sister species from western China, ***Journal of Systematics and Evolution***,58(3)(2020), 247-262.
87. Xu, Bo#, Luo, Dong#, Li, Zhimin, **Sun**, **Hang\***, Evolutionary radiations of cushion plants on the Qinghai-Tibet Plateau: Insights from molecular phylogenetic analysis of two subgenera of *Arenaria* and *Thylacospermum* (Caryophyllaceae), ***Taxon***,68(5)(2019), 1003-1020***.***
88. Xu, Qi, Lev-Yadun, Simcha, Sun, Lu, Chen, Zhe, Song, Bo\*, **Sun**, **Hang\***, Spinescent patterns in the flora of Jiaozi Snow Mountain, Southwestern China, ***Plant Diversity***, 42(2)(2020), 83-91.
89. Yang, Yang, **Sun**, **Hang**\*, Körner, Christian\*, Explaining the exceptional 4270 m high elevation limit of an evergreen oak in the south-eastern Himalayas, ***Tree Physiology***, 40(2020), 1327-1342.
90. Yusupov, Ziyoviddin, Deng, Tao, Volis, Sergei, Khassanov, Furkat, Makhmudjanov, Dilmurod, Tojibaev, Komiljon\*, **Sun**, **Hang**\*, Phylogenomics of *Allium* section *Cepa* (Amaryllidaceae) provides new insights on domestication of onion, ***Plant Diversity***, 43(2021), 102-110.
91. Zhang, Liang#, Fan, Xueping#, Petchsri, Sahanat#, Zhou, Lin, Pollawatn, Rossarin, Zhang, Xin, Zhou, Xinmao, Lu, Ngan Thi, Knapp, Ralf, Chantanaorrapint, Sahut, Limpanasittichai, Ponpipat, **Sun**, **Hang\***, Gao, Xinfen\*, Zhang, Libing\*, Evolutionary relationships of the ancient fern lineage the adder's tongues (Ophioglossaceae) with description of *Sahashia* gen. nov, ***Cladistics***, 36(4)(2020), 380-393.
92. Zhang, Liang#, Zhou, Xinmao#, Liang, Zhenlong, Fan, Xueping, Lu, Ngan Thi, Song, Minshu, Knapp, Ralf, Gao, Xinfen\*, **Sun**, **Hang\***, Zhang, Libing\*, Phylogeny and classification of the tribe Lepisoreae (Polypodiaceae; pteridophyta) with the description of a new genus, *Ellipinema* gen. nov., segregated from *Lepisorus*, ***Molecular Phylogenetics and Evolution***, 148(2020), 106803. https://doi.org/10.1016/j.ympev.2020.106803
93. Zhang, Xu#, Sun, Yanxia#, Landis, Jacob B., Lv, Zhenyu, Shen, Jun, Zhang, Huajie, Lin, Nan, Li, Lijuan, Sun, Jiao, Deng, Tao, **Sun**, **Hang\***, Wang, Hengchang\*, Plastome phylogenomic study of Gentianeae (Gentianaceae): widespread gene tree discordance and its association with evolutionary rate heterogeneity of plastid genes, ***BMC Plant Biology***, 20(2020), 340. https://doi.org/10.1186/s12870-020-02518-w
94. Zhang, Xu#, Sun, Yanxia#\*, Landis, Jacob B., Zhang, Jianwen, Yang, Linsen, Lin, Nan, Zhang, Huajie, Guo, Rui, Li, Lijuan, Zhang, Yonghong, Deng, Tao, **Sun**, **Hang**\*, Wang, Hengchang\*, Genomic insights into adaptation to heterogeneous environments for the ancient relictual *Circaeaster agrestis* (Circaeasteraceae, Ranunculales), ***New Phytologist***, 228(2020), 285-301.
95. Chen, Hongliang, Al-Shehbaz, Ihsan A., Yue, Jipei\*, **Sun**, **Hang\***, *Sisymbrium linifolium* and *Sisymbriopsis schugnana* (Brassicaceae), two new records from Xinjiang, China, ***PhytoKeys***, 119(2019), 39-52.
96. Chen, Jianguo, Yang, Yang, Wang, Songwei, Stöcklin, Jürg, Peng, Deli, **Sun**, **Hang\***, Recruitment of the high elevation cushion plant *Arenaria polytrichoides* is limited by competition, thus threaten by currently established vegetation, ***Journal of Systematics and Evolution***, 58(1)(2020), 59-68.
97. Chen, Jiahui#\*, Huang, Yuan#, Brachi, Benjamin#, Yun, Quanzheng#, Zhang, Wei, Lu, Wei, Li, Hongna, Li, Wenqing, Sun, Xudong, Wang, Guangyan, He, Jun, Zhou, Zhuo, Chen, Kaiyun, Ji, Yunheng, Shi, Mingming, Sun, Wenguang, Yang, Yongping\*, Zhang, Rengang#\*, Abbott, Richard J.\*, **Sun**, **Hang\***, Genome-wide analysis of Cushion willow provides insights into alpine plant divergence in a biodiversity hotspot, ***Nature Communications***,10(2019), 5230. https://doi.org/10.1038/s41467-019-13128-y
98. Chen, Jianguo, He, Xiaofang, Wang, Songwei, Yang, Yang\*, **Sun**, **Hang**\*, Cushion and shrub ecosystem engineers contribute differently to diversity and functions in alpine ecosystems, ***Journal of Vegetation Science***, 30(2019), 362-374.
99. Deng, Tao, Abbott, Richard J., Li, Wenqing, **Sun**, **Hang\***, Volis, Sergei\*, Genetic diversity hotspots and refugia identified by mapping multi-plant species haplotype diversity in China, ***Israel Journal of Plant Sciences***, 66(3-4)(2019), 136-151.
100. Huang, Xianhan, Deng, Tao**\***, Lin, Nan, Lv, Zhenyu, Zhang, Xu, Zhou, Zhuo, Wang, Yuehua\*, **Sun**, **Hang\***, Complete chloroplast genome sequences of *Poikilospermum lanceolatum* (Urticeae), ***Mitochondrial DNA Part B***, 4(2)(2019), 2131-2132.
101. Huang, Xianhan#, Deng, Tao#\*, Moore, Michael J., Wang, Hengchang, Li, Zhimin, Lin, Nan, Yusupov, Ziyoviddin, Tojibaev, Komiljon Sh., Wang, Yuehua\*, **Sun**, **Hang\***, Tropical Asian origin, boreotropical migration and long-distance dispersal in Nettles (Urticeae, Urticaceae), ***Molecular Phylogenetics and Evolution***, 137(2019), 190-199.
102. Liu, Changqiu, Gao, Yundong, Niu, Yang, Xiong, Yingze, **Sun**, **Hang\***, Floral adaptations of two lilies: implications for the evolution and pollination ecology of huge trumpet-shaped flowers, ***American Journal of Botany***, 106(5)(2019), 622-632.
103. Liu, Changqiu, **Sun**, **Hang\***, Pollination in *Lilium sargentiae* (Liliaceae) and the first confirmation of long-tongued hawkmoths as a pollinator niche in Asia, ***Journal of Systematics and Evolution***, 57(1)(2019), 81-88.
104. Lin, Nan#, Zhang, Xu#, Deng, Tao, Zhang, Jianwen, Meng, Aiping, Wang, Hengchang, **Sun**, **Hang**\*, Sun, Yanxia\*, Plastome sequencing of *Myripnois dioica* and comparison within Asteraceae, ***Plant Diversity***, 41(2019), 315-322.
105. Makhmudjanov, Dilmurod#, Yusupov, Ziyoviddin#, Abdullaev, Davlatali, Deng, Tao, Tojibaev, Komiljon, **Sun**, **Hang\***, The complete chloroplast genome of *Eremurus robustus* (Asphodelaceae), ***Mitochondrial DNA Part B***, 4(2)(2019), 3366-3367.
106. Ma, Xiangguang, Wang, Zhiwei, Tian, Bin\*, **Sun**, **Hang\***, Phylogeographic analyses of the East Asian endemic genus *Prinsepia* and the role of the East Asian monsoon system in shaping a North-South divergence pattern in China, ***Frontiers in Genetics***, 10(2019), 128. https://doi.org/10.3389/fgene.2019.00128
107. Rana, Hum Kala#, Luo, Dong#, Rana, Santosh Kumar, **Sun**, **Hang\***, Geological and climatic factors affect the population genetic connectivity in *Mirabilis himalaica* (Nyctaginaceae): Insight from phylogeography and dispersal corridors in the Himalaya-Hengduan biodiversity hotspot, ***Frontiers in Plant Science***, 10(2020), 1721. https://doi.org/10.3389/fpls.2019.01721
108. Song, Bo#, Sun, Lu#, Lev-Yadun, Simcha, Moles, Angela T., Zhang, Shuang, Jiang, Xuelong, Gao, Yongqian, Xu, Qi, **Sun**, **Hang\***, Plants are more likely to be spiny at mid-elevations in the Qinghai-Tibetan Plateau, south-western China, ***Journal of Biogeography***, 47(1)(2020), 250-260.
109. Wang, Shuanghua, Guan, Yanlong, Wang, Qia, Zhao, Jinjie, Sun, Guiling, Hu, Xiangyang, Rnning, Mark P., **Sun**, **Hang**\*, Huang, Jinling\*, A mycorrhizae-like gene regulates stem cell and gametophore development in mosses, ***Nature Communications***,11(2020), 2030. https://doi.org/10.1038/s41467-020-15967-6
110. Wang, Zhiwei, Zhang Ticao, Luo, Dong, Sun Wenguang, **Sun**, **Hang**\*, Phylogeography of *Excoecaria acerifolia* (Euphorbiaceae) suggests combined effects of historical drainage reorganization events and climatic changes on riparian plants in the Sino-Himalayan region, ***Botanical Journal of the Linnean Society***,192(2)(2020), 350-368.
111. Yang, Yi#, Chen, Yongsheng#, Zhang, Jianwen, Sun, Lu, **Sun**, **Hang\***, Phylogenetics and historical biogeography of the mock buckthorn genus (*Sageretia*, Rhamnaceae), ***Botanical Journal of the Linnean Society***, 189(2019), 244-261.
112. Yusupov, Ziyoviddin#, Deng, Tao#, Liu, Changkun, Lin, Nan, Tojibaev, Komiljon\*, **Sun**, **Hang\***, The complete chloroplast genome of *Allium fistulosum*, ***Mitochondrial DNA Part B***, 4(1)(2019), 489-490.
113. Zhang, Huajie#, Feng, Tao#, Landis, Jacob B., Deng, Tao, Zhang, Xu, Meng Aiping, **Sun**, **Hang\***, Wang, Hengchang\*, Sun, Yanxia\*, Molecular phylogeography and ecological niche modeling of *Sibbaldia procumbens* s.l. (Rosaceae), ***Frontiers in Genetics***, 10(2019), 201. https://doi.org/10.3389/fgene.2019.00201
114. Zhang, Huajie#, Feng, Tao#, Landis, Jacob B., Zhang, Xu, Meng, Aiping, Deng, Tao, **Sun**, **Hang**\*, Wang, Hengchang\*, Circumscription of the *Sibbaldia procumbens* complex (Potentilleae: Rosaceae) in China based on evidence from simple sequence repeat markers and morphology, ***Botanical Journal of the Linnean Society***, 191(2019), 305-314.
115. Zhang, Xu#, Deng, Tao#, Moore, Michael J., Ji, Yunheng, Lin, Nan, Zhang, Huajie, Meng, Aiping, Wang, Hengchang\*, Sun, Yanxia\*, **Sun**, **Hang\***, Plastome phylogenomics of *Saussurea* (Asteraceae: Cardueae), ***BMC Plant Biology***, 19(2019), 290. https://doi.org/10.1186/s12870-019-1896-6
116. Zhang, Yazhou, Tang, Rong, Huang, Xianhan, Sun, Wenguang, Ma, Xiangguang, **Sun**, **Hang\***, *Saussurea balangshanensis* sp. nov. (Asteraceae), from the Hengduan Mountains region, SW China, ***Nordic Journal of Botany***, 37(4)(2019), e02078. https://doi.org/10.1111/njb.02078
117. Zhou, Zhuo, Hu, Jinjin, Wen, Jun\*, **Sun**, **Hang**\*, Morphometric, phylogenetic and biogeographic analyses of *Pyrularia* (Santalales), a parasitic disjunct lineage between eastern Asia and eastern North America, ***Taxon***, 68(1)(2019), 47-71.
118. Chen, Hongliang, Al-Shehbaz, Ihsan A., Yue, Jipei\*, **Sun**, **Hang\***, *Solms-laubachia tianbaoshanensis* (Brassicaceae), a new species from NW Yunnan, China, ***Phytotaxa***, 379(1)(2018), 39-48.
119. Chen, Hongliang, Al-Shehbaz, Ihsan A., Yue, Jipei\*, **Sun**, **Hang\***, New insights into the taxonomy of tribe Euclidieae (Brassicaceae), evidence from nrITS sequence data, ***PhytoKeys***,100(2018), 125-139.
120. Chang, Shuai, Chen, Jianguo, Su, Jianqiang\*, Yang, Yang\*, **Sun**, **Hang\***, Seasonal comparison of bacterial communities in rhizosphere of alpine cushion plants in the Himalayan Hengduan Mountains, ***Plant Diversity***, 40(2018), 209-216.
121. Chen, Yongsheng#, Deng, Tao#, Zhou, Zhuo, **Sun**, **Hang\***, Is the East Asian flora ancient or not? ***National Science Review***, 5(2018), 920-932.
122. Deng, Tao#, Chen, Yongsheng#, Wang, Hengchang, Zhang, Xiaoshuang, Volis, Sergei, Yusupov, Ziyoviddin, Qian, Hong, **Sun**, **Hang\***, Molecular phylogeny and biogeography of *Adenocaulon* highlight the biogeographic links between New World and Old World, ***Frontiers in Ecology and Evolution***, 5(2018),162. https://doi.org/10.3389/fevo.2017.00162
123. Liu, Changqiu, Niu, Yang, Peng, Deli, **Sun**, **Hang\***, Are superior ovaries damaged by the bills of flower-visiting birds and does this preclude adaptation to bird pollinators? ***Botanical Journal of the Linnean Society***, 187(2018), 499-511.
124. Luo, Dong, Xu, Bo, Rana, Santosh Kumar, Li, Zhimin, **Sun**, **Hang\***, Phylogeography of rare fern *Polystichum glaciale* endemic to the subnival zone of the Sino-Himalaya, ***Plant Systematics and Evolution***, 304(2018), 485-499.
125. Li, Meng, Zhao, Jinjie, Tang, Nianwu, **Sun**, **Hang\***, Huang, Jinling\*, Horizontal gene transfer from bacteria and plants to the arbuscular mycorrhizal fungus *Rhizophagus irregularis*, ***Frontiers in Plant Science***, 9(2018), 701. https://doi.org/10.3389/fpls.2018.00701
126. Lin, Nan#, Deng, Tao#, Moore, Michael J., Sun, Yanxia, Huang, Xianhan, Sun, Wenguang, Luo, Dong, Wang, Hengchang\*, Zhang, Jianwen\*, **Sun**, **Hang\***, Phylogeography of *Parasyncalathium souliei* (Asteraceae) and its potential application in delimiting phylogeoregions in the Qinghai-Tibet Plateau (QTP)-Hengduan Mountains (HDM) hotspot, ***Frontiers in Genetics***, 9(2018), 171.https://doi.org/10.3389/fgene.2018.00171
127. Li, Rong, Qian, Lishen, **Sun**, **Hang\***, Current progress and future prospects in phylofloristics, ***Plant Diversity***, 40(2018), 141-146.
128. Ma, Xiangguang, Sun, Wenguang, **Sun**, **Hang\***, Historical introgression among the species of *Rodgersia* (Saxifragaceae) in mountainous forests of southwest China, ***Molecular Phylogenetics and Evolution***, 125(2018), 93-99.
129. Niu, Yang, **Sun**, **Hang\***, Stevens, Martin\*, Plant camouflage: ecology, evolution, and implications, ***Trends in Ecology, Evolution***, 33(8)(2018), 608-618.
130. Peng, Deli, Hu, Xiaojian, Yang, Juan, **Sun**, **Hang**\*, Seed dormancy, germination and soil seed bank of *Lamiophlomis rotata* and *Marmoritis complanatum* (Labiatae), two endemic species from Himalaya-Hengduan Mountains, ***Plant Biosystems-An International Journal Dealing with all Aspects of Plant Biology***, 152(4)(2018), 642-648.
131. Song, Bo, Stöcklin, Jürg, Armbruster, W. Scott, Gao, Yongqian, Peng, Deli, **Sun**, **Hang\***, Reversible colour change in leaves enhances pollinator attraction and reproductive success in *Saururus chinensis* (Saururaceae), ***Annals of Botany***, 121(2018), 641-650.
132. **Sun**, **Hang**, Yang, Yongping, Zhou, Zhekun\*, A few words on our commemoration of 80 years at KIB, ***Plant Diversity***, 40(2018), 139-140.
133. Sun, Yanxia, Moore, Michael J., Landis, Jacob B., Lin, Nan, Chen, Li, Deng, Tao, Zhang, Jianwen, Meng, Aiping, Zhang, Shoujun, Tojibaev, Komiljon Sh., **Sun**, **Hang\***, Wang, Hengchang\*, Plastome Phylogenomics of the early-diverging eudicot family Berberidaceae, ***Molecular Phylogenetics and Evolution***, 128(2018), 203-211.
134. Yang, Lie, Meng, Ying, Peng, Deli, Nie, Zelong\*, **Sun**, **Hang\***, Molecular phylogeny of *Galium* L. of the tribe Rubieae (Rubiaceae) - Emphasis on Chinese species and recognition of a new genus *Pseudogalium*, ***Molecular Phylogenetics and Evolution***, 126(2018), 221-232.
135. Yan, Minghui, Fritsch, Peter W., Moore, Michael J., Feng, Tao, Meng, Aiping, Yang, Jing, Deng, Tao, Zhao, Congxiao, Yao, Xiaohong, **Sun**, **Hang\***, Wang, Hengchang\*, Plastid phylogenomics resolves infrafamilial relationships of the Styracaceae and sheds light on the backbone relationships of the Ericales, ***Molecular Phylogenetics and Evolution***, 121(2018), 198-211.
136. Zhang, Yongzeng#, Deng, Tao#, Li, Yanbo, Zhang, Xiaoshuang, Tojibaev, Komiljon Sh., Zhang, Jianwen\*, **Sun**, **Hang\***, Taxonomic revision of *Carpesium linearibracteatum* (Asteraceae: Inulinae) from China, ***Phytotaxa***, 371(2)(2018), 111–118.
137. Chen, Jianguo, Chang, Shuai, Niu, Yang, Li, Zhimin, Yang, Yang\*, **Sun**, **Hang\***, Seed quality of the Sino–Himalayan endemic genus *Cyananthus* (Campanulaceae) increases with elevation and varies with life histories, ***Plant Ecology & Diversity***, 10(1)(2017), 43-52.
138. Chen, Jianguo, Niu, Yang, Li, Zhimin, Yang, Yang\*, **Sun**, **Hang\***, Sex allocation in gynodioecious *Cyananthus delavayi* differs between gender morphs and soil quality, ***Plant Reproduction***, 30(2017), 107-117.
139. Chen, Yongsheng, Meseguer, Andrea S., Godefroid, Martin, Zhou, Zhuo, Zhang, Jianwen, Deng, Tao, Kim, JooHwan, Nie, Zelong\*, Liu, Yusheng

(Christopher)\*, **Sun**, **Hang\***, Out-of-India dispersal of *Paliurus* (Rhamnaceae) indicated by combined molecular phylogenetic and fossil evidence, ***Taxon***, 66(1)(2017), 78-90.

1. Deng, Tao#, Zhang, Jianwen#, Meng, Ying, Volis, Sergei, **Sun**, **Hang\***, Nie, Zelong\*, Role of the Qinghai-Tibetan Plateau uplift in the Northern Hemisphere disjunction: evidence from two herbaceous genera of Rubiaceae, ***Scientific Report***, 7(2017), 13411. https://doi.org/10.1038/s41598-017-13543-5
2. Li, Jingchao#, Zhang, Jianwen#, Zhang, Daigui, Deng, Tao, Volis, Sergey, **Sun**, **Hang\***, Li, Zhimin\*, Phylogenetic position of the Chinese endemic genus *Heterolamium*: a close relative of subtribe Nepetinae (Lamiaceae), ***The Journal of Japanese Botany***, 92(1)(2017), 12-19.
3. Li, Xinhui, **Sun**, **Hang\***, Phylogenetic pattern of alpine plants along latitude and longitude in Hengduan Mountains Region, ***Plant Diversity***, 39(1)(2017), 37-43.
4. Luo, Dong, Xu, Bo, Li, Zhimin, **Sun**, **Hang**\*, The ‘Ward Line-Mekong-Salween Divide’ is an important floristic boundary between the eastern Himalaya and Hengduan Mountains: evidence from the phylogeographical structure of subnival herbs *Marmoritis complanatum* (Lamiaceae), ***Botanical Journal of the Linnean Society***,185(2017), 482-496.
5. Ma, Xiangguang, Sun, Wenguang, Zhu, Weidong, **Sun**, **Hang**\*, Resolving the phylogenetic relationships and evolutionary history of the East Asian endemic genus *Rodgersia* (Saxifragaceae) using multilocus data, ***Perspectives in Plant Ecology***, ***Evolution and Systematics***,25(2017), 20-28.
6. Niu, Yang, Chen, Zhe, Stevens, Martin, **Sun**, **Hang\***, Divergence in cryptic leaf colour provides local camouflage in an alpine plant, ***Proceedings of the Royal Society B-Biological Sciences***, 284(1864)(2017),1654. https://doi.org/10.1098/rspb.2017.1654
7. Peng, Deli, Chen, Zhe, Hu, Xiaojian, Li, Zhimin, Song, Bo\*, **Sun**, **Hang\***, Seed dormancy and germination characteristics of two *Rheum* species in the Himalaya-Hengduan Mountains, ***Plant Diversity***, 39(2017), 180-186.
8. Song, Bo, Stöcklin, Jürg, Gao, Yongqian, Peng, Deli, Song, Minshu, **Sun**, **Hang\***, Oviposition by mutualistic seed-consuming pollinators reduces fruit abortion in a recently discovered pollination mutualism, ***Scientific Reports***, 6(2016), 29886. https://doi.org/10.1038/srep29886
9. Song, Bo, Stöcklin, Jürg, Gao, Yongqian, Peng, Deli, **Sun**, **Hang\***, Host specificity of two pollinating seed-consuming fly species is not related to soil moisture of host plant in the high Himalayas, ***Ecology and Evolution***, 7(2)(2017), 780-789.
10. **Sun**, **Hang**\*, Zhang, Jianwen, Deng, Tao, Boufford, David E.\*, Origins and evolution of plant diversity in the Hengduan Mountains, China, ***Plant Diversity***, 39(2017), 161-166.
11. Wang, Qia, **Sun**, **Hang\***, Huang, Jinling\*, Re-analyses of "Algal" genes suggest a complex evolutionary history of Oomycetes, ***Frontiers in Plant Science***, 8(2017), 1540. https://doi.org/10.3389/fpls.2017.01540
12. Yang, Yang\*, Chen, Jianguo, Schöb, Christian, **Sun**, **Hang\***, Size-mediated interaction between a cushion species and other non-cushion species at high elevations of the Hengduan Mountains, SW China, ***Frontiers in Plant Science***, 8(2017), 465. https://doi.org/10.3389/fpls.2017.00465
13. Yang, Yi, Zhang, Jianwen, Sun, Lu, **Sun**, **Hang**\*, *Sageretia liuzhouensis* (Rhamnaceae), a new species from Guangxi, China, ***Phytotaxa***, 309(3)(2017), 229-237.
14. Chen, Hongliang#, Deng, Tao#, Yue, Jipei, Al-Shehbaz, Ihsan A., **Sun**, **Hang\***, Molecular phylogeny reveals the non-monophyly of tribe Yinshanieae (Brassicaceae) and description of a new tribe, Hillielleae, ***Plant Diversity***, 38(2016), 171-182.
15. Chen, Jianguo, Niu, Yang, Yang, Yang\*, **Sun**, **Hang**\*, Sexual allocation in the gynodioecious species *Cyananthus macrocalyx* (Campanulaceae) at high elevations in the Sino-Himalaya Mountains, ***Alpine Botany***, 126(1)(2016), 49-57.
16. Jian, Hongying, Zhang, Yonghong, Qiu, Xianqin, Yan, Huijun, Wang, Qigang, Zhang, Hao**,** **Sun**, **Hang**\*, Yalongjiang River has had an important role in the dispersal and divergence of *Rosa soulieana* in the Hengduan Mountains of China, ***PLos One***, 11(6)(2016), e0158586. https://doi.org/10.1371/journal.pone.0158586
17. Luo, Dong, Yue, Jipei, Sun, Wenguang, Xu, Bo, Li, Zhimin, Comes, Hans Peter\*, **Sun**, **Hang\***, Evolutionary history of the subnival flora of the Himalaya-Hengduan Mountains: first insights from comparative phylogeography of four perennial herbs, ***Journal of Biogeography***, 43(1)(2016), 31-43.
18. Nie, Zelong, Funk, Vicki A., Meng, Ying, Deng, Tao, **Sun**, **Hang\***, Wen, Jun\*, Recent assembly of the global herbaceous flora: evidence from the paper daisies (Asteraceae: Gnaphalieae), ***New Phytologist***, 209(4)(2016), 1795-1806.
19. Niu, Yang#, Zhou, Zhuo#, Sha, Wen, **Sun**, **Hang**\*, Post-floral erection of stalks provides insight into the evolution of fruit orientation and its effects on seed dispersal, ***Scientific Reports***,6(2016), 20146. https://doi.org/10.1038/srep20146
20. Peng, Deli, Song, Bo, Yang, Yang, Niu, Yang\*, **Hang Sun**\*, Overlapping leaves covering flowers in the alpine species *Eriophyton wallichii* (Lamiaceae): key driving factors and their potential impact on pollination, ***PLoS One***, 11(10)(2016), e0164177. https://doi.org/10.1371/journal.pone.0164177
21. Zhang, Dacai, Ye, Jiangxia, **Sun**, **Hang\***, Quantitative approaches to identify floristic units and centres of species endemism in the Qinghai-Tibetan Plateau, south-western China, ***Journal of Biogeography***, 43(12)(2016), 2465-2476.
22. Zhang, Jianwen, Kilian, Norbert, Deng,Tao, Souliya, Onevilay, **Sun**, **Hang**\*, *Melanoseris henryi* (*Asteraceae-Cichorieae*) revisited: A new record of genus and species from the Flora of Lao PHR with its systematic position, ***The Journal of Japanese Botany***,91 (2016) Suppl.,112-119.
23. Song, Bo, Niu, Yang, Stöcklin, Jürg, Chen, Gao, Peng, Deli, Gao, Yongqian, **Sun**, **Hang\***, Pollinator attraction in *Cornus capitata* (Cornaceae): the relative role of visual and olfactory cues, ***Journal of Plant Ecology***, 8(2)(2015), 173-181.
24. Chen, Jianguo#, Yang, Yang#, Stöcklin, Jürg, Cavieres, Lohengrin A., Peng, Deli, Li, Zhimin, **Sun**, **Hang\***, Soil nutrient availability determines the facilitative effects of cushion plants on other plant species at high elevations in the south-eastern Himalayas, ***Plant Ecology, Diversity***, 8(2)(2015), 199-210.
25. Chen, Jianguo#, Schöb, Christian, Zhou, Zhuo, Gong, Qiangbang, Li, Xinhui, Yang, Yang#\*, Li, Zhimin\*, **Sun**, **Hang**\*, Cushion plants can have a positive effect on diversity at high elevations in the Himalayan Hengduan Mountains, ***Journal of Vegetation Science***,26(4)(2015), 768-777.
26. Deng, Tao, Nie, Zelong, Drew, Bryan T., Volis, Sergei, Kim, Changkyun, Xiang, Chun-Lei, Zhang, Jianwen, Wang Yuehua\*, **Sun**, **Hang**\*, Does the Arcto-Tertiary biogeographic hypothesis explain the disjunct distribution of Northern Hemisphere herbaceous plants? The case of *Meehania* (Lamiaceae), ***PlosOne***,10(2)(2015), e0117171. https://doi.org/10.1371/journal.pone.0117171
27. Jian, Hongying, Tang, Kaixue, **Sun**, **Hang\***, Phylogeography of *Rosa soulieana* (Rosaceae) in the Hengduan Mountains: refugia and 'melting' pots in the Quaternary climate oscillations, ***Plant Systematics and Evolution***, 301(2015), 1819-1830.
28. Kim, Changkyun#, Deng, Tao#, Chase, Mark, Zhang, Daigui, Nie, Zelong, **Sun**, **Hang**\*, Generic phylogeny and character evolution in Urticeae (Urticaceae) inferred from nuclear and plastid DNA regions, ***Taxon***, 64(1)(2015), 65-78.
29. Kim, Changkyun, Deng, Tao, Wen, Jun, Nie, Zelong, **Sun**, **Hang\***, Systematics, biogeography, and character evolution of *Deutzia* (Hydrangeaceae) inferred from nuclear and chloroplast DNA sequences, ***Molec ular Phylogenetics and Evolution***, 87(2015), 91-104.
30. Niu, Yang, Zhang, Zhiqiang, Liu, Changqiu, Li, Zhimin, **Sun**, **Hang**\*, A sexually dimorphic corolla appendage affects pollen removal and floral longevity in gynodioecious *Cyananthus delavayi* (Campanulaceae), ***PLosOne***, 10(1)(2015), e0117149, https://doi.org/10.1371/journal.pone.0117149
31. Peng, Deli, Niu, Yang, Song, Bo, Chen, Jianguo, Li, Zhimin, Yang, Yang\*, **Sun**, **Hang**\*, Woolly and overlapping leaves dampen temperature fluctuations in reproductive organ of an alpine Himalayan forb, ***Journal of Plant Ecology***, 8(2)(2015), 159-165.
32. Song, Bo, Stöecklin, Jürg, Peng, Deli, Gao, Yongqian, **Sun**, **Hang**\*, The bracts of the alpine ‘glasshouse’ plant *Rheum alexandrae* (Polygonaceae) enhance reproductive fitness of its pollinating seed-consuming mutualist, ***Botanical Journal of the Linnean Society***,179(2)(2015), 349-359.
33. Tan, Yunhong, Yang, Bin, Li, Jianwu, Zhou, Shishun, Lone, Shwe, Khaing, Kyi Kyi, Li, Ren, Huang, Jianping, **Sun**, **Hang**\*, *Acranthera burmanica*, a new species of Rubiaceae from Kachin State, Myanmar, ***Phytotaxa***, 238(1)(2015), 92-96.
34. Wang, Zhiwei, Chen, Shaotian, Nie, Zelong, Zhang, Jianwen, Zhou, Zhuo, Deng, Tao, **Sun**, **Hang**\*, Climatic factors drive population divergence and demography: insights based on the phylogeography of a riparian plant species endemic to the Hengduan Mountains and adjacent regions, ***PLoS One***, 10(12)(2015), e0145014. https://doi.org/10.1371/journal.pone.0145014
35. Zhang, Daigui#, Deng, Tao#, Kim, Changkyun#, Zhang, Jianwen, Nie, Zelong, **Sun**, **Hang**\*, *Epimedium tianmenshanensis* (Berberidaceae), a new species from Hunan, China, ***Phytotaxa***, 222(1)(2015), 33-43.
36. Zhang, Yonghong, Yue, Jipei, **Sun**, **Hang**\*, Identification of twelve novel polymorphic microsatellite loci in the severe weed, *Stellera chamaejasme* L. (Thymelaeaceae), ***Journal of Genetics***, 94(2015), E24-E26.
37. Deng, Tao#, Zhang, Jianwen#, Zhu, Xinxin#, Zhang, Daigui, Nie, Zelong, **Sun**, **Hang\***, *Youngia zhengyiana* (Asteraceae, Crepidinae), a new species from south China, with notes on the systematics of *Youngia* inferred from morphology and nrITS phylogeny, ***Phytotaxa***, 170(4)(2014), 259-268. https://doi.org/10.11646/phytotaxa.170.4.3
38. Li, Guodong, Kim, Changkyun, Zha, Hongguang, Zhuo, Zhou, Nie, Zelong, **Sun**, **Hang**\*, Molecular phylogeny and biogeography of the arctic-alpine genus *Lagotis* (Plantaginaceae), ***Taxon***, 63(1)(2014), 103-115.
39. Li, Xinhui, Zhu, Xinxin, Niu, Yang, **Sun**, **Hang\***, Phylogenetic clustering and overdispersion for alpine plants along elevational gradient in the Hengduan Mountains Region, southwest China, ***Journal of Systematics and Evolution***, 52(3)(2014), 280-288. https://doi.org/10.1111/jse.12027
40. Niu, Yang, Chen, Gao, Peng, Deli, Song, Bo, Yang, Yang, Li, Zhimin, **Sun**, **Hang\***, Grey leaves in an alpine plant: a cryptic colouration to avoid attack? ***New Phytologist***, 203(3)(2014), 953-963. https://doi.org/10.1111/nph.12834
41. Niu, Yang, **Sun, Hang\***, Alpine scree plants benefit from cryptic coloration with limited cost, ***Plant Signaling & Behavior***, 9(2014),e29698, https://doi.org/10.4161/psb.29698
42. Peng, Deli, Ou, Xiaokun, Xu, Bo, Zhang, Zhiqiang, Niu, Yang, Li, Zhimin\*, **Sun**, **Hang\*** Plant sexual systems correlated with morphological traits: Reflecting reproductive strategies of alpine plants ***Journal of Systematics and Evolution***,52(3)(2014), 368-377.
43. Song, Bo, Chen, Gao, Stöcklin, Jürg, Peng, Deli, Niu, Yang, Li, Zhimin, **Sun**, **Hang\*** A new pollinating seed consuming mutualism between *Rheum nobile* and a fly fungus gnat, *Bradysia* sp., involving pollinator attraction by a specific floral compound ***New Phytologist***, 203(2014), 1109-1118.
44. **Sun**, **Hang#\***, Niu, Yang#, Chen, Yongsheng#, Song, Bo, Liu, Changqiu, Peng, Deli., Chen, Jianguo, Yang, Yang\*, Survival and reproduction of plant species in the Qinghai-Tibet Plateau, ***Journal of Systematics and Evolution***,52(3)(2014), 378-396.
45. Wang, Huanchong\*, **Sun**, **Hang**\*,*Rubus pseudofagifolius* (subg. *Lampobatus*, Rosaceae), a replacement name for a Mexican bramble species and its lectotypification, ***Phytotaxa***,159(1)(2014), 029-030.
46. Wen, Jun\*, Zhang, Jianqiang, Nie, Zelong, Zhong, Yang, **Sun**, **Hang**\*, Evolutionary diversifications of plants on the Qinghai-Tibetan Plateau, ***Frontiers in Genetics***, 5(2014),1-16.
47. Xu, Bo, Li, Zhimin, **Sun**, **Hang\***, Plant diversity and floristic characters of the alpine subnival belt flora in the Hengduan Mountains, SW China, ***Journal of Systematics and Evolution***, 52(3)(2014), 271-279.
48. Yue, Liangliang, **Sun**, **Hang**\*, Montane refugia isolation and plateau population expansion: Phylogeography of Sino-Himalayan endemic *Spenceria ramalana* (Rosaceae), ***Journal of Systematics and Evolution***, 52(3)(2014), 326-340.
49. Zhu Xinxin, Wen Fang, **Sun Hang\***, *Primulina glandaceistriata* (Gesneriaceae), a new species from Guangxi, China, ***Phytotaxa***, 188(1)(2014), 49-54.
50. Chen, Jianguo**#**, Yang, Yang**#**, Zhang, Zhiqiang, Niu, Yang, **Sun**, **Hang\***, A nodding capitulum enhances the reproductive success of *Cremanthodium campanulatum* (Asteraceae) at high elevations in the Sino–Himalayan Mountains, ***Plant Ecology, Diversity***, 6(3-4)(2013), 487-494.
51. Deng, Tao**#**, Kim, Changkyun**#**, Zhang, Daigui, Zhang, Jianwen, Li, Zhimin, Nie, Zelong, **Sun**, **Hang**\*, *Zhengyia shennongensis*: A new bulbiliferous genus and species of the nettle family (Urticaceae) from central China exhibiting parallel evolution of the bulbil trait, ***Taxon***, 62(1)(2013), 89-99.
52. Fan, Dengmei, Yue, Jipei, Nie, Zelong, Li, Zhimin, Comes, Hans Peter\*, **Sun**, **Hang**\*, Phylogeography of *Sophora davidii* (Leguminosae) across the ‘Tanaka-Kaiyong Line’, an important phytogeographic boundary in Southwest China, ***Molecular Ecology***, 22(2013), 4270-4288.
53. Kim, Changkyun, Zha, Hongguang, Deng, Tao, **Sun**, **Hang\***, Wu, Sugong\*, Phylogenetic position of *Kontumia* (Polypodiaceae) inferred from four chloroplast DNA regions, ***Journal of Systematics and Evolution***, 51(2)(2013), 154-163.
54. Nie, Zelong, Deng, Tao, Meng, Ying, **Sun**, **Hang\***, Wen, Jun\*, Post-Boreotropical dispersals explain the pantropical disjunction in *Paederia* (Rubiaceae), ***Annals of Botany***, 111(5)(2013), 873-886.
55. Song, Bo, Stoecklin, Juerg, Gao, Yongqian, Zhang, Zhiqiang, Yang, Yang, Li, Zhiming, **Sun**, **Hang\***, Habitat-specific responses of seed germination and seedling establishment to soil water condition in two Rheum species in the high Sino-Himalayas, ***Ecological Research***, 28(2013), 643-651.
56. Song, Bo, Stoecklin, Juerg, Zhang, Zhiqiang, Yang, Yang, **Sun**, **Hang\***, Seed and microsite limitation in *Rheum nobile*, a rare and endemic plant from the subnival zone of Sino-Himalaya, ***Plant Ecology, Diversity***, 6(2013), 503-509.
57. Wang, Huanchong, **Sun, Hang**\*, *Rubus tetsunii*, a replacement name for the Chinese *R. lubatus* T.T. Yu, L.T. Lu (Rosaceae), ***Phytotaxa***,79(2)(2013), 63-64.
58. Wang, Huanchong, Wang, Yuehua, **Sun**, **Hang\***, Nomenclatural changes in *Rubus* (Rosaceae) mostly from China, ***Phytotaxa***, 114(2013), 58-60.
59. Wang, Huanchong, He, Zhaorong, Wang, Yuehua, **Sun**, **Hang\***, *Bupleurum dracaenoides* (Subgenus Bupleurum, Apiaceae): a New shrubby species from southwestern China, ***Systematic Botany***, 38(2013), 1188-1195.
60. Zha, Hongguang, Liu, Tao, Zhou, Jingjiang\*, **Sun**, **Hang**\*, MS-desi, a desiccation-related protein in the floral nectar of the evergreen velvet bean (*Mucuna semprvirens* Hemsl.): molecular identification and characterization, ***Planta***, 238(1)(2013), 77-89.
61. Zhou, Zhuo, Hong, Deyuan, Niu, Yang, Li, Guodong, Nie, Zelong, Wen, Jun\*, **Sun**, **Hang\***, Phylogenetic and biogeographic analyses of the Sino-Himalayan endemic genus *Cyananthus* (Campanulaceae) and implications for the evolution of its sexual system, ***Molecular Phylogenetics and Evolution***, 68(2013), 482-497.
62. Zhu, Weidong**#**, Nie, Zelong**#**, Wen, Jun\*., **Sun**, **Hang\***, Molecular phylogeny and biogeography of *Astilbe* (Saxifragaceae) in Asia and eastern North America, ***Botanical Journal of the Linnean Society***, 171(2013), 377-394.
63. Zhang, Jianwen, Boufford, David E., **Sun**, **Hang\***, Systematic significance of achene morphology in *Soroseris*, *Syncalathium* and *Parasyncalathium* (Asteraceae: Cichorieae), ***Botanical Journal of the Linnean Society***,173(2013), 476-486.
64. Li, Guodong, Yue, Liangliang, **Sun**, **Hang\***, Qian, Zigang\*, Phylogeography of *Cyananthus delavayi* (Campanulaceae) in Hengduan Mountains inferred from variation in nuclear and chloroplast DNA sequences, ***Journal of Systematics and Evolution***, 50(4)(2012), 305-315.
65. Peng, Deli#, Zhang, Zhiqiang#, Xu, Bo, Li, Zhimin\*, **Sun**, **Hang\***, Patterns of flower morphology and sexual systems in the subnival belt of the Hengduan Mountains, SW China, ***Alpine Botany***, 122(2)(2012), 65-73.
66. Song, Bo#, Zhang, Zhiqiang#, Stocklin, Jurg, Yang, Yang, Niu, Yang, Chen, Jianguo, **Sun**, **Hang\***, Multifunctional bracts enhance plant fitness during flowering and seed development in *Rheum nobile* (Polygonaceae), a giant herb endemic to the high Himalayas, ***Oecologia***,172(2)(2012), 359-370.
67. Yue, Liangliang#, Chen, Gao#, Sun, Weibang\*, **Sun**, **Hang\***, Phylogeography of *Buddleja crispa* (Buddlejaceae) and its correlation with drainage system evolution in southwestern China, ***American Journal of Botany***, 99(10)(2012), 1726-1735.
68. Zha, Hongguang, Flowers, V. Lynn, Yang, Min, Chen, Lingyang, **Sun**, **Hang\***, Acidic α-galactosidase is the most abundant nectarin in floral nectar of common tobacco (*Nicotiana tabacum*), ***Annals of Botany***, 109(2012), 735-745.
69. Zhou, Zhuo, Wen, Jun, Li, Guodong, **Sun, Hang\***, Phylogenetic assessment and biogeographic analyses of tribe Peracarpeae (Campanulaceae), ***Plant Systematics and Evolution***, 298(2012), 323-336.
70. Niu, Yang, Yang, Yang, Zhang, Zhiqiang, Li, Zhimin, **Sun**, **Hang\***, Floral closure induced by pollination in gynodioecious *Cyananthus delavayi* (Campanulaceae): effects of pollen load and type, floral morph and fitness consequences, ***Annals of Botany***, 108(2011), 1257-1268.
71. Yue, Xuekun#, Yue, Jipei#, Yang, Lier, Li, Zhimin\*, **Sun**, **Hang\***, Systematics of the genus *Salweenia* (Leguminosae) from Southwest China with discovery of a second species, ***Taxon***, 60(5)(2011), 1366-1374.
72. Zhang, Jianwen, Boufford, David E., **Sun**, **Hang**\*, *Parasyncalathium* J.W. Zhang, Boufford & H. Sun (Asteraceae, Cichorieae): A new genus endemic to the Himalaya-Hengduan Mountains, ***Taxon***, 60(6)(2011), 1678–1684.
73. Zhang, Jianwen, Nie, Zelong, Wen, Jun, **Sun**, **Hang\***, Molecular phylogeny and biogeography of three closely related genera, *Soroseris*, *Stebbinsia*, and *Syncalathium* (Asteraceae, Cichorieae), endemic to the Tibetan Plateau, SW China, ***Taxon***, 60(1)(2011), 15-26.
74. Zhang, Ticao, Comes, Hans Peter\*, **Sun**, **Hang\***, Chloroplast phylogeography of *Terminalia franchetii* (Combretaceae) from the eastern Sino-Himalayan region and its correlation with historical river capture events, ***Molecular Phylogenetics and Evolution***,60(2011), 1-12.
75. Zhang, Ticao, **Sun**, **Hang\***, Phylogeographic structure of *Terminalia franchetii* (Combretaceae) in southwest China and its implications for drainage geological history, ***Journal of Plant Research***, 124(2011), 63-73.
76. Zhang, Zhiqiang#, Zhang, Yonghong#, **Sun**, **Hang\***, The reproductive biology of *Stellera chamaejasme* (Thymelaeaceae): A self-incompatible weed with specialized flowers, ***Flora***, 206(2011), 567-574.
77. Chen, Gao, Sun, Weibang\*, **Sun**, **Hang**\*, Leaf epidermal characteristics of Asiatic *Buddleja* L. under scanning electron microscope: Insights into chromosomal and taxonomic significance, ***Flora***, 205(11)(2010), 777-785.
78. Tu, Tieyao, Volis, Sergei, Dillon, Michael O., **Sun**, **Hang\***, Wen, Jun\*, Dispersals of Hyoscyameae and Mandragoreae (Solanaceae) from the New World to Eurasia in the early Miocene and their biogeographic diversification within Eurasia, ***Molecular Phylogenetics and Evolution***, 57(3)(2010), 1226-1237.
79. Yang, Yang, Niu, Yang, Cavieres, Lohengrin A., **Sun**, **Hang\***, Positive associations between the cushion plant *Arenaria polytrichoides* (Caryophyllaceae) and other alpine plant species increase with altitude in the Sino-Himalayas, ***Journal of Vegetation Science***, 21(6)(2010), 1048-1057.
80. Zha, Hongguang, Milne, Richard I., **Sun**, **Hang\***, Asymmetric hybridization in *Rhododendron agastum*: a hybrid taxon comprising mainly F1s in Yunnan, China, ***Annals of Botany***, 105(1)(2010), 89-100.
81. Zhang, Yonghong, Volis, Sergei, **Sun**, **Hang\***, Chloroplast phylogeny and phylogeography of *Stellera* *chamaejasme* on the Qinghai-Tibet Plateau and in adjacent regions, ***Molecular Phylogenetics and Evolution***, 57(3)(2010), 1162-1172.
82. Chen, Gao, Sun, Weibang, **Sun**, **Hang\***, Morphological characteristics of leaf epidermis and size variation of leaf, flower and fruit in different ploidy levels in *Buddleja macrostachya* (Buddlejaceae), ***Journal of Systematics and Evolution***, 47(3)(2009), 231-236.
83. Nie, Zelong, Wen, Jun, **Sun, Hang**\*, AFLP Analysis of *Phryma* (Phrymaceae) Disjunct between Eastern Asia and Eastern North America. ***Acta Botanica Yunnanica*** 31(4)(2009): 289-295.
84. Yang, Yang, **Sun**, **Hang\***, The Bracts of *Saussurea velutina* (Asteraceae) Protect Inflorescences from Fluctuating Weather at High Elevations of the Hengduan Mountains, Southwestern China, ***Arctic, Antarctic, and Alpine Research***, 41(4)(2009), 515-521.
85. Zhang, Dacai, Boufford, David E., Ree, Richard H., **Sun**, **Hang\***, The 29°N latitudinal line: an important division in the Hengduan Mountains, a biodiversity hotspot in southwest China, ***Nordic Journal of Botany***, 27(5)(2009), 405-412.
86. Zhang, Dacai, Zhang, Yonghong, Boufford, David E., **Sun**, **Hang\***, Elevational patterns of species richness and endemism for some important taxa in the Hengduan Mountains, southwestern China, ***Biodiversity and Conservation***, 18(3)(2009), 699-716.
87. Zhang, Jianwen, Nie, Zelong, **Sun**, **Hang\***, Cytological study on the genus *Syncalathium* (Asteraceae-Lactuceae), an endemic taxon to alpine scree of the Sino-Himalayas, ***Journal of Systematics and Evolution***, 47(3)(2009), 226-230.
88. Nie, Zelong, Wen, Jun\*, Azuma, Hiroshi, Qiu, Yinlong, **Sun**, **Hang\***, Meng, Ying, Sun, Weibang, Zimmer, Elizabeth A., Phylogenetic and biogeographic complexity of Magnoliaceae in the Northern Hemisphere inferred from three nuclear data sets, ***Molecular Phylogenetics and Evolution***, 48(3)(2008), 1027-1040.
89. Yang, Yang, Korner, Christian\*, **Sun**, **Hang\***, The ecological significance of pubescence in *Saussurea medusa*, a high-elevation Himalayan “woolly plant”, ***Arctic, Antarctic, and Alpine Research***, 40(1)(2008), 250-255.
90. Zha, Hongguang, Milne, Richard Ian, **Sun**, **Hang\***, Morphological and molecular evidence of natural hybridization between two distantly related Rhododendron species from the Sino-Himalaya, ***Botanical Journal of the Linnean Society***, 156(1)(2008), 119-129.
91. Zhang, Jianwen, **Sun**, **Hang\***, Nie, Zelong, Karyological studies on the Sino-Himalayan endemic *Soroseris* and two related genera of tribe Lactuceae (Asteraceae), ***Botanical Journal of the Linnean Society***, 154(1)(2007), 79-87.
92. Zhang, Yonghong, Boufford, David E., **Sun**, **Hang\***, Taxonomic note on *Wikstroemia salicina* (Thymelaeaceae). ***Acta Phytotaxonomica Sinica***, 45(3)(2007), 413-414.
93. Tu, Tieyao, **Sun**, **Hang\***, Bartholomew, Bruce, Nie, Zelong, A cytological study on Kelloggia (Rubiaceae), an intercontinental disjunct genus between eastern Asia and western North America, ***Journal of Plant Research***, 119(4)(2006), 397–400.
94. Wang, Hengchang, **Sun**, **Hang**\*, Compton, J. A., Yang, Junbo, A phylogeny of Thermopsideae (Leguminosae: Papilionoideae) inferred from nuclear ribosomal internal transcribed spacer (ITS) sequences, ***Botanical Journal of the Linnean Society,*** 151(3)(2006), 365-373.
95. Yue, Jipei#, **Sun**, **Hang#**, Al-Shehbaz, Ihsan A., Li, Jianhua\*, Support for an expanded *Solms-Laubachia* (Brassicaceae): evidence from sequences of chloroplast and nuclear genes, ***Annals of the Missouri Botanical Garden,*** 93(3)(2006), 402-411.
96. Zhang, Yonghong, **Sun**, **Hang\***, *Cypripedium bouffordianum* (Orchidaceae), a new species from western Sichuan, China, ***Annales Botanici Fennici***, 43(2006), 481-483.
97. Nie, Zelong, Wen, Jun, **Sun**, **Hang\***, Bartholomew, Bruce, Monophyly of *Kelloggia* Torrey ex Benth. (Rubiaceae) and evolution of its intercontinental disjunction between western north America and eastern Asia, ***American Journal of Botany***, 92(4)(2005), 642-652.
98. Tu, Tieyao, **Sun**, **Hang**\*, Gu, Zhijian, Yue, Jipei, Cytological studies on the Sino-Himalayan endemic *Anisodus* and four related genera from the tribe Hyoscyameae (Solanaceae) and their systematic and evolutionary implications, ***Botanical Journal of the Linnean Society***, 147(2005), 457-468.
99. Yue, Jipei, Al-Shehbaz, IhsanA., **Sun, Hang\***, *Solms-laubachia zhongdianensis* (Brassicaceae), a new species from the Hengduan Mountains of Yunnan, China, ***Annales Botanici Fennici***, 42(2005), 155-158.
100. Yue, Jipei, Gu, Zhijian, Al-Shehbaz, Ishan A., **Sun**, **Hang**\*, Cytological studies on the Sino-Himalayan endemic *Solms-laubachia* (Brassicaceae) and two related genera, ***Botanical Journal of the Linnean Society***, 145(2004), 77-86.
101. Nie, Zelong, Gu, Zhijian, **Sun, Hang**\*, Cytological study of *Tibetia* (Fabaceae) in the Hengduan Mountains region, China, ***Journal of Plant Research***,115(2002), 17-22.
102. **Sun**, **Hang**, McLewin, Will, Fay, Michael F.\*, Molecular Phylogeny of *Helleborus* (Ranunculaceae), with an emphasis on the East Asian-Mediterranean disjunction, ***Taxon***, 50(2001), 1001-1018.
103. **Sun Hang,** Ming, Tianlu, The characters of leaf architecture and its systematic significance in the genus *Camellia*, ***Cathaya***, 7(1995), 189-214.