

伊藤 優/Yu Ito

特任助教/Assistant Professor

薬学部薬学科/Faculty of Pharmaceutical Sciences

摂南大学/Setsunan University, Japan

E-mail: yu.ito@pharm.setsunan.ac.jp; ruppia2000@yahoo.co.jp

[Homepage](#); [Google Scholar Citations](#); [ResearchGate](#); [Academia.edu](#)

SPOKEN LANGUAGES: English (good), Japanese (native)

EDUCATION

- Ph.D. (Botany): *The University of Tokyo* Tokyo, Japan. September 2010.
- M.Sc. (Biology): *Chiba University* Chiba, Japan. March 2006.
- B.Sc. (Horticulture): *Chiba University* Chiba, Japan. March 2004.

HONORS AND DISTINCTIONS

- Young Scientist Award – [Japanese Society for Plant Systematics](#) (Japan) Mar. 2017.
- Postdoctoral Fellowship – [Smuts Memorial Botanical Fellowship](#) (South Africa) Feb. 2015. (declined to take position in China)
- Postdoctoral Fellowship – [Chinese Academy of Sciences President's International Fellowship Initiative \(PIFI\)](#) (China) Feb. 2015.
- Postdoctoral Fellowship – [Government of Canada Post Doctoral Research Fellowships \(PDRF\)](#) (Canada) Apr. 2012. (declined to take position in NZ)
- Postdoctoral Fellowship – [Scandinavia Nippon Sasakawa Foundation](#) (Sweden) Feb. 2012.
- Postdoctoral Fellowship – [JSPS RSNZ Bilateral Programs](#) (Japan/NZ) Jan. 2012.
- Postdoctoral Fellowship – [Yamada Science Foundation](#) (Japan) Mar. 2011.
- Postdoctoral Fellowship – *Hungarian Scholarship board* (Hungary) Jul. 2010.
- Young Scientist Award – [European Weed Research Society](#) (EU) Aug. 2009.

POSITIONS

- Assist. Prof.: [Setsunan Univ., Fac. Pharmaceutical Sciences](#) (Japan) Oct. 2017–present
- Postdoc: [Xishuangbanna Trop. Bot. Gard., CAS](#) (China) Jun. 2015–May. 2017.
- Postdoc: [Univ. Canterbury, Sch. Biological sciences](#) (NZ) Jan. 2013–Dec. 2014.
- Postdoc: [Aarhus Univ., Dept. Bioscience](#) (Denmark) Oct. 2012–Dec. 2012.
- Postdoc: [Univ. Saskatchewan, Dept. Biology](#) (Canada) Oct. 2011–Sep. 2012.
- Postdoc: [Univ. West Hungary, Dept. Forestry](#) (Hungary) Oct. 2010–Sep. 2011.

PEER REVIEWED PUBLICATIONS (1ST-AUTHORED PAPERS: **25**; CO-AUTHORED PAPERS: **6**)

1. Larridon et al. (in press) First molecular phylogenetic insights into the evolution of *Eriocaulon* (Eriocaulaceae, Poales). *J. Plant Res.* (doi: [10.1007/s10265-019-01129-3](https://doi.org/10.1007/s10265-019-01129-3))
2. Ito et al. (2019) Molecular phylogenetic species delimitation in the aquatic genus *Ottelia* (Hydrocharitaceae) reveals cryptic diversity within a widespread species. *J. Plant Res.* 132: 335–344. (doi: [10.1007/s10265-019-01109-7](https://doi.org/10.1007/s10265-019-01109-7))
3. Gale et al. (2018) Integrative analyses of *Nervilia* (Orchidaceae) section *Linervia* reveal further undescribed cryptic diversity in Thailand. *Syst. Biodiv.* 16: 377–396. (doi: [10.1080/14772000.2017.1415233](https://doi.org/10.1080/14772000.2017.1415233))
4. Tanaka et al. (2018) New or noteworthy plant collections from Myanmar (10): A new rheophytic *Impatiens hukaungensis* (Balsaminaceae) from the northern region. *J. Jpn. Bot.* 93: 23–30.
5. Ito et al. (2018) Evolutionary distinctiveness and conservation priority of the endangered *Najas ancistrocarpa* (Hydrocharitaceae). *Syst. Biodiv.* 16: 45–54. (doi: [10.1080/14772000.2017.1358219](https://doi.org/10.1080/14772000.2017.1358219))
6. Ito et al. (2017) From terrestrial to aquatic habitats and back again — Molecular insights into the evolution and phylogeny of *Callitriche* (Plantaginaceae). *Bot. J. Linn. Soc.* 184: 46–58. (doi: [10.1093/botlinnean/box012](https://doi.org/10.1093/botlinnean/box012))
7. Ito et al. (2017) Phylogeny of *Najas* (Hydrocharitaceae) revisited: implications for systematics and evolution. *Taxon* 66: 309–323. (doi: [10.12705/662.2](https://doi.org/10.12705/662.2))
8. Ito et al. (2017) Towards a better understanding of the *Ruppia maritima* complex (Ruppiales): notes on the correct application and typification of the names *R. cirrhosa* and *R. spiralis*. *Taxon* 66: 167–171. (doi: [10.12705/661.11](https://doi.org/10.12705/661.11))
9. Ito et al. (2017) Molecular phylogeny of the cosmopolitan aquatic plant genus *Limosella* (Scrophulariaceae) with a particular focus on the origin of the Australasian *L. curdieana*. *J. Plant Res.* 130: 107–116. (doi: [10.1007/s10265-016-0872-6](https://doi.org/10.1007/s10265-016-0872-6))
10. Ito (2016) Taxonomic notes on the genus *Najas* (Hydrocharitaceae) in Thailand: addition of *N. major* and exclusion of *N. minor*. *Thai Forest Bull.* 44: 104–107. (doi: [10.20531/tfb.2016.44.2.03](https://doi.org/10.20531/tfb.2016.44.2.03))
11. Ito et al. (2016) Phylogeny of *Potamogeton* (Potamogetonaceae) revisited: implications for hybridization and introgression in Argentina. *Bull. Natl. Mus. Nat. Sci., Ser. B.* 42: 131–141. ([pdf](#))
12. Yano et al. (2016) Molecular evidence for a natural hybrid between *Isolepis crassiuscula* and *Isolepis lenticularis* (Cyperaceae) in New Zealand. *New Zealand J. Bot.* 54: 433–445. (doi: [10.1080/0028825X.2016.1205106](https://doi.org/10.1080/0028825X.2016.1205106))
13. Ito et al. (2016) A new delimitation of the Afro-Eurasian plant genus *Altheria* to include its Australasian relative, *Lepilaena* (Potamogetonaceae) – evidence from DNA and morphological data. *Mol. Phylogenet. Evol.* 98: 261–270. (doi: [10.1016/j.ympev.2016.02.008](https://doi.org/10.1016/j.ympev.2016.02.008))

14. Ito et al. (2016) Phylogeny of *Isolepis* (Cyperaceae) revisited: Non-monophyletic nature of *I. fluitans* sensu lato and resurrection of *I. lenticularis*. *Plant Syst. Evol.* 302: 231–238. (doi: [10.1007/s00606-015-1253-7](https://doi.org/10.1007/s00606-015-1253-7))
15. Ito et al. (2016) Phylogeny of *Sparganium* (Typhaceae) revisited: Non-monophyletic nature of *S. emersum* sensu lato and resurrection of *S. acaule*. *Plant Syst. Evol.* 302: 129–135. (doi: [10.1007/s00606-015-1245-7](https://doi.org/10.1007/s00606-015-1245-7))
16. Ito et al. (2015) Phylogeny of *Ruppia* (Ruppiaceae) revisited: Molecular and morphological evidence for a new species from Western Cape, South Africa. *Syst. Bot.* 40: 942–949. (doi: [10.1600/036364415X689988](https://doi.org/10.1600/036364415X689988))
17. Ito & Tanaka (2014) Chromosome studies in the aquatic monocots of Myanmar: A brief review with additional records. *Biodiv. Data J.* 2: e1069. (doi: [10.3897/BDJ.2.e1069](https://doi.org/10.3897/BDJ.2.e1069))
18. Ito et al. (2014) *Ruppia megacarpa* (Ruppiaceae): a new species to the floras of Japan, Korea, and Russia. *Botanica Pacifica* 3: 49–52. (doi: [10.17581/bp.2014.03105](https://doi.org/10.17581/bp.2014.03105))
19. Ito et al. (2014) DNA barcoding reveals a new record of *Potamogeton distinctus* and its hybrids, *P. distinctus* x *P. nodosus* and *P. distinctus* x *P. wrightii* (*P.* x *malainoides*) from Myanmar. *Biodiv. Data J.* 2: e1073. (doi: [10.3897/BDJ.2.e1073](https://doi.org/10.3897/BDJ.2.e1073))
20. Ito & Cota-Sanchez (2014) Distribution and conservation status of *Sparganium* (Typhaceae) in the Canadian Prairie Provinces. *Great Plains Res.* 24: 119–125. (doi: [10.1353/gpr.2014.0019](https://doi.org/10.1353/gpr.2014.0019))
21. Ito & Barfod (2014) An updated checklist of aquatic plants of Myanmar and Thailand. *Biodiv. Data J.* 2: e1019. (doi: [10.3897/BDJ.2.e1019](https://doi.org/10.3897/BDJ.2.e1019))
22. Ito et al. (2014) New or noteworthy plant collections from Myanmar (8) *Blyxa aubertii* var. *echinosperma*, *Lemna trisulca*, and *Najas tenuis*. *Acta Phytotax. Geobot.* 65: 53–61.
23. Ito (2013) New records of aquatic plants for the flora of Thailand: *Nechamandra alternifolia* and *Potamogeton octandrus*. *Thai Forest Bull.* 41: 140–144. ([link](#))
24. Ito et al. (2013) Comprehensive phylogenetic analyses of the *Ruppia maritima* complex focusing on taxa from the Mediterranean. *J. Plant Res.* 126: 753–762. (doi: [10.1007/s10265-013-0570-6](https://doi.org/10.1007/s10265-013-0570-6))
25. Ito & Tanaka (2013) Additional *Potamogeton* hybrids from China: Evidence from a comparison of chloroplast *trnT-trnF* and nuclear ITS phylogenies. *Acta Phytotax. Geobot.* 64: 1–14. ([link](#))
26. Ito & Tanaka (2011) Hybridization of a tropical seagrass genus, *Halodule* (Cymodoceaceae), inferred from plastid and nuclear DNA phylogenies. *Telopea* 13: 219–231. ([link](#))
27. Ito et al. (2010) Hybridization and polyploidy of an aquatic plant, *Ruppia* (Ruppiaceae), inferred from plastid and nuclear DNA phylogenies. *Am. J. Bot.* 97: 1156–1167. (doi: [10.3732/ajb.0900168](https://doi.org/10.3732/ajb.0900168)) ([Featured](#))
28. Ito et al. (2009) New or noteworthy plant collections from Myanmar (3) *Caldesia parnassifolia*, *Nechamandra alternifolia*, *Potamogeton maackianus* and *P. octandrus*. *J. Jpn. Bot.* 84: 321–329.
29. Ito et al. (2007) Inferring the origin of *Potamogeton xinbaensis* (Potamogetonaceae) using nuclear and chloroplast DNA sequences. *J. Jpn. Bot.* 82: 20–28.

30. Tanaka et al. (2007) Chromosome numbers of *Zannichellia* (Zannichelliaceae) in Japan. *Bull. Natl. Mus. Nat. Sci., Ser. B.* 33: 133–136.
31. Tanaka et al. (2006) Distribution and new Localities of *Zannichellia palustris* L. (Zannichelliaceae) in Japan. *Ann. Tsukuba Bot. Gard.* 25: 1–6.

BOOK CHAPTERS (1ST-AUTHORED PAPERS: 3)

32. 伊藤 優 (2015) カワツルモ科 新日本の野生植物 1: 135–136.
33. 伊藤 優・田中法生 (2015) ヒルムシロ科 新日本の野生植物 1: 130–134.
34. Ito (2014) Ruppiaceae. In: Santisuk & Larsen (eds.) *Flora of Thailand* 11: 608–609. (IN ENGLISH)

その他の出版物 (1ST-AUTHORED PAPERS: 7; CO-AUTHORED PAPERS: 1)

35. 矢野興一・伊藤 優・西本 孝 (2016) [岡山県自然保護センターの水生植物 4 種の染色体数](#) 岡山県自然保護センター研究報告 23: 13–18.
36. 伊藤 優 (2013d) インド南西部の水生植物相 水草研究会会誌 100: 64–68.
37. 伊藤 優 (2013a) [亜・豪・欧・北米での水生植物調査](#) 分類 13: 47–60.
38. 伊藤 優 (2012c) 北米中西部の水生植物相 水草研究会会誌 98: 51–56.
39. 伊藤 優 (2012b) 欧州北部の水生植物相 水草研究会会誌 98: 45–50.
40. 伊藤 優 (2012a) 地中海の水生植物相 水草研究会会誌 97: 38–42.
41. 伊藤 優 (2010) [水生植物カワツルモ属\(カワツルモ科\)の分類・系統進化](#) 小石川植物園後援会ニュースレター 39: 1–5.
42. 伊藤 優・スクリプトソバ アンナ (2008) 極東ロシアの水生植物 水草研究会会誌 89: 34–42.
43. 伊藤 優他 5 名 (2007) 韓国水草記 水草研究会会誌 87: 19–28.

INVITED LECTURES (INTERNATIONAL)

- Hydrobotany2015: *Borok, Russia*. Oct. 2015.
- Lab. Seminar: *Christchurch, New Zealand*. Nov. 2013. ([PDF](#))
- Lab. Seminar: *Vienna, Austria*. May 2011.
- Lab. Seminar. *Kassel, Germany*. Nov. 2010.

1ST-AUTHORED INT'L CONFERENCE PAPERS/PRESENTATIONS (ORAL: 17; POSTER: 5)

- Conference on the Formation Mechanism of Plant Diversity in East Asia and Conservation of Endangered Plants. *Zhejiang, China*. Jun. 2017. (Oral, Abstract P. xx)
- ATBC Asia-Pacific Chapter meeting 2017: *Xishuangbanna, China*. Mar. 2017. (Oral, B1.4)
- 1st XTBG conference: *Xishuangbanna, China*. Dec. 2016. (Oral, Y-24)
- 38th ASBS: *Alice Springs, Australia*. Sep. 2016. (Oral, 8-36)
- Botanical Research in Tropical Asia: *Vientiane, Laos*. Dec. 2015. (Oral, No. 78658)
- Japan – Brazil bilateral workshop: *Sao Paulo, Brazil*. Feb. 2015. (Poster)

- 36th ASBS: *Palmerston North, New Zealand*. Nov. 2014. (Oral, Abstract P. 34)
- 36th ASBS: *Palmerston North, New Zealand*. Nov. 2014. (Poster, Abstract P. 42)
- Macrophyte2014: *Wuhan, China*. Oct. 2014. (Oral, Abstract P. 51)
- 13th JSPS: *Kumamoto, Japan*. Mar. 2014. (Oral, 1p02)
- 5th Monocots: *New York, USA*. Jul. 2013. (Oral, Abstract P. 59) ([link](#))
- 5th Monocots: *New York, USA*. Jul. 2013. (Oral, Abstract P. 58) ([link](#))
- 5th Monocots: *New York, USA*. Jul. 2013. (Poster, No. 51) ([link](#))
- 12th JSPS: *Chiba, Japan*. Mar. 2013. (Oral, 1a03)
- 63rd Botany: *Columbus, USA*. Jul. 2012. (Oral, No. 300) ([link](#))
- 11th JSPS: *Osaka, Japan*. Mar. 2012. (Oral, O-14)
- 3rd EAPDC: *Seoul, S. Korea*. Aug. 2010. (Oral, S912)
- 12th EWRS: *Jyväskylä, Finland*. Aug. 2009. (Poster, No. 27)
- 8th ISBW. *Vancouver, Canada*. Sep. 2008 (Oral, Abstract P. 42) ([link](#))
- 4th Monocots: *Copenhagen, Denmark*. Aug. 2008. (Oral, Abstract P. 31) ([link](#))
- 17th IAAT: *Kolhapur, India*. Nov. 2007. (Oral, O2.13)
- 17th IBC: *Vienna, Austria*. Jul. 2005. (Poster, P2345)

学会発表(国内) (ORAL: 3; POSTER: 4)

- 日本植物分類学会第 17 回大会(金沢) 2018 年 3 月 (ポスター P33)
- ~~日本植物分類学会第 16 回大会(京都) 2017 年 3 月 (口頭 H-4)~~
- 日本植物分類学会第 8 回大会(仙台) 2009 年 3 月 (口頭 L-11)
- 日本植物分類学会第 7 回大会(八王子) 2008 年 3 月 (ポスター P11)
- 日本植物学会第 71 回大会(野田) 2007 年 9 月 (口頭 1p105).
- 日本植物学会第 70 回大会(熊本) 2006 年 9 月 (ポスター P1-90).
- 日本植物分類学会第 7 回大会(沖縄) 2006 年 3 月 (ポスター P13A).
- 水草研究会第 27 回大会(鳥取) 2005 年 8 月 (口頭 O-1).
- 日本植物学会第 70 回大会(熊本) 2004 年 9 月 (ポスター P004d).

AFFILIATION TO PROFESSIONAL SOCIETIES

- Member: *Water Plant Society, Japan* (since 2004)
- Member: [Japanese Society for Plant Systematics](#) (since 2005).
- Member: [The Botanical Society of America](#) (since 2010).
- Member: [Australasian Systematic Botany Society](#) (since 2014).

ACADEMIC SERVICES

- Subject Editor [*Biodiv. Data J.* since 2014 ([link](#)) | *Phytokeys* since 2014 ([link](#))]
- Reviewer [*Telopea* 2009 ([link](#)) | *Weed Res.* 2012, 2014 ([link](#)) | *J. Plant Res.* 2013, 2015, 2016, 2017a, 2017b, 2018 ([link](#)) | *PLoS ONE* 2014, 2015, 2018 ([link](#)) | *APG* 2014, 2018,

- 2019 ([link](#)) | *Polar Biol.* 2014 ([link](#)) | *Phytotaxa* 2014, 2017, 2019 ([link](#)) | *Biodiv. Data J.* 2015 ([link](#)) | *Aquat. Bot.* 2015, 2016a, 2016b, 2017, 2018a, 2018b ([link](#)) | *Acta Soc. Bot. Pol.* 2015 ([link](#)) | *Bot. Mar.* 2016 ([link](#)) | *Preslia* 2018 ([link](#)) | *Sci. Rep.* 2018 ([link](#))
- Session Organizer [Ann. Biol. Conference: *Christchurch, New Zealand.* 2013 ([link](#)) | ATBC Asia-Pacific chapter meeting “A6. Freshwater ecology”: *Xishuangbanna, China.* 2017]
 - Scientific committee [Hydrobotany2015: *Borok, Russia.* 2015 ([link](#))]