

Ludwig TRIEST (Vrije Universiteit Brussel - VUB), Local Coordinator

Ludwig Triest is Head of the Department of Biology, member of the research group 'Plant Biology and Nature Management' and coordinator of the International Course Programme on Biology (specialization Human Ecology) supported by Cooperation and Development. He holds a MSc in Botany, a PhD in Biological Sciences and he is holder of a 'Higher Aggregation' ('Habilitation') degree for University teaching. His PhD and postdoc was funded by the Belgian National Fund for Scientific Research and dealt with tropical plant biodiversity and distribution in aquatic habitats. These research activities included frequent research missions in many tropical, subtropical and European countries. He was appointed as a permanent research director in 1993 and professor in 2000. His research and education is on conservation ecology using genetic data at population level and using organismal information at community level, both for management and restoration of habitats. Major topics are on gene flow or dispersal, connectivity, invasions and ecological quality. These focus on aquatic vegetation in European, Mediterranean and Tropical ecosystems (wetlands, rivers, ponds, lakes, coastal lagoons, mangroves).

1	Family name	TRIEST		
2	First name	Ludwig		
3	Date of birth	30 July 1957		
4	Nationality	Belgian		
5	E-mail	ltriest@vub.ac.be		
6	Education / Professional studies			
	Dates (from-to)	Institution	Degree/diploma	
	01/10/1976-15/09/1980	Vrije Universiteit Brussel	MSc Botany	
	01/10/1980-18/12/1986	Vrije Universiteit Brussel	PhD Biological Sciences	
	01/10/1986-30/05/1991	Vrije Universiteit Brussel	Higher Aggregation ('Habilitation') for University teaching	
7	Language skills Grade skill 1-5 (1 = basic, 5 = excellent, * = mother tongue)			
	Language	Speaking	Reading	Writing
	English	5	5	5
	French	3	4	3
	Dutch*	5	5	5
	German	2	2	2
8	Membership of professional bodies			
	Flanders Marine Institute International Society for Mangrove Ecosystems			
9	Other Skills			
	Computer skills, research skills, managerial capabilities			
10	Name of organisation currently working for and Present position in the organisation	Vrije Universiteit Brussel - VUB Full-time Professor		
11	Years with the organisation	31		
12	Long-term experience in specific countries/territories			
	Country	Date	Details	
	Kenya	1995-present	Research on wetlands and rivers	
	Ethiopia	2008-present	Research on ecological river quality	

13	Professional experience record		
	Location	Date	Organisation
	Brussels	1980-present	Vrije Universiteit Brussel
	Position	Student, Researcher, Postdoc, Lecturer, Professor	
	Responsibilities	Scientific research, Education, Projects, Management	
14	Publications		
	BOOKS		
	1. <u>Triest, L.</u> (1987) Revision of the genus <i>Najas</i> L. (<i>Najadaceae</i>) in Africa and surrounding islands. Mém. Acad. r. Sci. Outre-Mer, Cl. sci. nat. méd., nouv. sér. in - 8°, 21 (4) (et Et. Cont. afr. 6, 49 (2)) : 88 pp., 11 figs + 18 plates.		
	2. <u>Triest, L.</u> (1988) Revision of the genus <i>Najas</i> L. (<i>Najadaceae</i>) in the Old World. Mém. Acad. r. Sci. Outre-Mer, Cl. sci. nat. méd.; Nouv. sér. in -8°, 22 (1) : 172 pp., 26 figs. + 29 plates.		
	3. <u>Triest, L.</u> (1991) Isozymes in water plants (case studies, relationships to biological features and conservation of genetic diversity) Opera Botanica Belgica 4., 269 pp., National Botanic Garden, Meise.		
	PAPERS IN INTERNATIONAL JOURNALS		
	1. <u>Triest, L.</u> (1982) Patterns of sclerenchyma fibres and air-spaces in the leaves of <i>Lagarosiphon</i> (<i>Hydrocharitaceae</i>) - In : Studies on Aquatic Vascular Plants, ed. Symoens, Hooper & Compère : 70-74.		
	2. Cook, C.D.K. & <u>Triest, L.</u> (1982) <i>Appertiella</i> , a new genus in the <i>Hydrocharitaceae</i> - In: Studies on Aquatic Vascular Plants, ed. Symoens, Hooper & Compère : 75-79.		
	3. Symoens, J.J. & <u>Triest, L.</u> (1983) Monograph of the African genus <i>Lagarosiphon</i> Harvey (<i>Hydrocharitaceae</i>). Bull. Jard. bot. Nat. Belg. 53 : 441-488.		
	4. <u>Triest, L.</u> & Symoens, J.J. (1983) <i>Najadaceae</i> - In: Flore D'Afrique Centrale (Zaire-Rwanda-Burundi), National Botanic Garden, Meise :1-9.		
	5. <u>Triest, L.</u> & Symoens, J.J. (1985) Isozyme patterns and taxonomic position of a Central African population of <i>Najas marina</i> L. subsp. <i>armata</i> (Lindb. f.) Horn af Rantzien. Bull. Jard. bot. Nat. Belg. 55 : 261-269.		
	6. Hettiarachchi, P. & <u>Triest, L.</u> (1986) Isozyme polymorphism of <i>Potamogeton pectinatus</i> L. - In: Proc. EWRS/AAB 7 th Symp. on Aquatic Weeds: 163-168 (1986).		
	7. <u>Triest, L.</u> , Van Geyt, J. & Ranson, V. (1986) Isozyme polymorphism in several populations of <i>Najas marina</i> L. Aquat. Bot. 24 : 373-384. (I.F. 1994-97: 0.788-0.954)		
	8. <u>Triest, L.</u> (1986) <i>Najas</i> L. species (<i>Najadaceae</i>) as rice field weeds. - In: Proc. EWRS/AAB 7 th Symp. on Aquatic Weeds: 357-362.		
	9. <u>Triest, L.</u> & Uotila, P. (1986) <i>Najas orientalis</i> , a rice field weed in the Far East and introduced in Turkey. Ann. Bot. Fennici 23 : 169-171. (I.F. 1994-97 : 0.352-0.491)		
	10. Viinikka, Y, Agami, M. & <u>Triest, L.</u> (1987) A tetraploid cytotype of <i>Najas marina</i> L. Hereditas 106 : 289-291. (I.F. 1994-97: 0.400-0.774)		
	11. Van Geyt, J., <u>Triest, L.</u> & Jacobs, M. (1987) Characterisation of alcoholdehydrogenase in <i>Najas marina</i> L. Aquat. Bot. 28 : 129-141. (I.F. 1994-97: 0.788-0.954)		
	12. <u>Triest, L.</u> & Uotila, P. (1988) <i>Najadaceae</i> - In: Davis, P.H., Mill, R.R. & Kit Tan, Flora of Turkey 10 (123): 216-218.		
	13. <u>Triest, L.</u> , Roelandt, B. & Symoens, J.J. (1988) Electrophoretic data as molecular markers in Belgian populations of <i>Alisma plantago-aquatica</i> L. and <i>Alisma lanceolatum</i> With. (<i>Alismataceae</i>). Bot. Jahr. Syst. 110 (2): 173-186.		
	14. <u>Triest, L.</u> (1988) First record of <i>Najas setacea</i> (A. Br.) Rendle from continental Africa. Bull. Jard. Bot. Nat. Belg. 58 : 260-261.		
	15. <u>Triest, L.</u> (1988) <i>Najadaceae</i> - Distr. Pl. Afr. 35 : map 1173-1190.		
	16. <u>Triest, L.</u> (1989) Electrophoretic polymorphism and divergence in <i>Najas marina</i> L. (<i>Najadaceae</i>): molecular markers for individuals, hybrids, cytodemes, ecodemes and conservation of genetic diversity. Aquat. Bot. 33 : 301-380. (I.F. 1994-97: 0.788-0.954)		
	17. <u>Triest, L.</u> (1989) <i>Najadaceae</i> - In: Polhill, R.M., Flora of Tropical East Africa, 9 pp.		
	18. <u>Triest, L.</u> , Viinikka, Y. & Agami, M. (1989) Isozymes as molecular markers for diploid and tetraploid		

- individuals of *Najas marina* L. (*Najadaceae*). Pl. Syst. Evol. **166**: 131-140 (1989). (I.F. 1994-97 : 0.745-1.026)
19. Lambinon, J. & Triest, L. (1989) *Najadaceae* - In: Notes et contributions à la flore de Corse. IV. - Jeanmonod, D. & Burdet, H.M., eds. Candollea **44**: 353-354.
 20. Triest, L., Van de Vijver, M. & Symoens, J.J. (1989) Polymorphism and electrophoretic patterns in *Ambrosia maritima*, *A. artemisiifolia* and *A. trifida* (*Asteraceae*). Plant Science **59**: 211-218. (I.F. 1994-97: 1.179-1.274)
 21. Lambinon, J., Compère, P., D'Hose, R. & Triest, L. (1989) Contribution à la connaissance des macrophytes des eaux douces et saumâtres de la Corse - In: Notes et contributions à la flore de Corse. IV. - Jeanmonod, D. & Burdet, H.M., eds. Candollea **44**: 388-394.
 22. Triest, L. (1990) Electrophoretically detectable genetic variation in natural populations of aquatic macrophytes. - In: Proc. EWRS/AAB 8th Symposium on Aquatic Weeds : 221-222.
 23. Triest, L. (1990) Electrophoretic divergence between *Najas marina* L. and *Najas horrida* Magn. from N.E. Natal, South Africa. Adansonia : 383-388.
 24. Geerts, S., Belot, J., Sabbe, F., Triest, L. & Sidhom, M. (1991) *Ambrosia maritima* L. : Effects on molluscs and non-target organisms. A review. Journal of Ethnopharmacology **33** : 1-12. (I.F. 1994-1997: 0.366-0.578)
 25. Hettiarachchi, P. & Triest, L. (1991) Isozyme polymorphism in the genus *Potamogeton* (*Potamogetonaceae*. - In: Triest, L. (ed.) Isozymes in water plants, Op. Bot. Belg. **4** : 89-116.
 26. Triest, L. & Symoens, J.J. (1991) Isozymes in populations of the submerged halophyte *Ruppia* (*Ruppiceae*). - In: Triest, L. (ed.) Isozymes in water plants, Op. Bot. Belg. **4** : 117-134.
 27. Triest, L. & Vanhecke, L. (1991) Isozymes in European and Mediterranean *Zannichellia* (*Zannichelliaceae*) populations: a situation of predominant inbreeders. - In: Triest, L. (ed.) Isozymes in water plants, Op. Bot. Belg. **4** : 135-170.
 28. Triest, L. (1991) ADH polymorphism in *Najas marina* (*Najadaceae*): the situation in an obligate outcrosser. - In: Triest, L. (ed.) Isozymes in water plants, Op. Bot. Belg. **4** : 171-198.
 29. Triest, L. (1991) Enzyme polymorphism and its relationships to biological features in water plants (including a comparison with terrestrial plants). - In: Triest, L. (ed.) Isozymes in water plants, Op. Bot. Belg. **4** : 209-25.
 30. Triest, L. (1991) Conservation of genetic diversity in aquatic macrophytes. - In: Triest, L. (ed.) Isozymes in water plants, Op. Bot. Belg. **4** : 251-268.
 31. Triest, L. (1991) Isozymes in water plants: a bibliographic review - In: Triest, L. (ed.) Isozymes in water plants, Op. Bot. Belg. **4** : 13-24 (1991).
 32. Alard, F., Geerts, S. & Triest, L. (1991) Toxicité d'*Ambrosia maritima* L., plante molluscicide, sur les organismes aquatiques non-cibles. Toxicon **29** : 745-750.
 33. Triest, L. & Roelandt, B. (1991) Isozymes in diploid and polyploid *Alisma* species (*Alismataceae*). - In: Triest, L. (ed.) Isozymes in water plants, Op. Bot. Belg. **4** : 25-36.
 34. Triest, L. & Vuille, F.L. (1991) Isozyme variation in several seed collections and hybrids of *Baldellia* (*Alismataceae*). - In: Triest, L. (ed.) Isozymes in water plants, Op. Bot. Belg. **4** : 37-50.
 35. Triest, L. (1991) Isozymes in *Lagarosiphon* (*Hydrocharitaceae*) populations from South Africa: the situation in dioecious, but mainly vegetatively propagating weeds. - In: Triest, L. (ed.) Isozymes in water plants, Op. Bot. Belg. **4** : 73-88.
 36. Triest, L., Van de Vijver, M., El Arifi, M. & Symoens, J.J. (1992) *Ambrosia maritima*: morphology, distribution, genetic and chemical diversity. - In : Symoens, J.J., Geerts, S. & Triest, L. (ed.) Vector control of schistosomiasis using native African plants, Proc. Roy. Acad. Overseas Sc. : 63-77.
 37. Triest, L. (1992) The role of isozymes in studies of plant populations: several considerations of data obtained in water plants. Belg. Journ. Bot. **125** : 262-269. (I.F. 1994-97: 0.097-0.231)
 38. Triest, L. (1993) Problems created by excessive macrophyte growth in tropical freshwater ecosystems and strategies for control. - In : Tilzer, M. & Khondker, M. (eds.) Hypertrophic and Polluted Freshwater Ecosystems : Ecological basis for water resource management. Proc. Int. Symp. Limnol., 25-28 November 1991. Dep. Bot., Dhaka Univ., Bangladesh : 137-153.
 39. Geerts, S., Van Blerk, K. & Triest, L. (1994) The effect of *Ambrosia maritima* on *Anopheles stephensi* and *Aedes aegypti*. J. Ethnopharm. **42** : 7-11. (I.F. 1994-1997: 0.366-0.578)
 40. Triest, L., De Greef, B., De Bondt, R., Vanden Bossche, D., D'Haeseleer, M., Van Slycken J. & Coart, E. (1997) Use of RAPD markers to estimate hybridization in *Salix alba* and *Salix fragilis*. Belg. Journ. Bot. **129** : 140-148. (I.F. 0.235)
 41. Triest, L., De Greef, B., D'Haeseleer, M., Echchgadda, G., Van Slycken J. & Coart, E. (1998). Variation and

- inheritance of isozyme loci in controlled crosses of *Salix alba* and *Salix fragilis*. *Sylvae Genetica* 47, 2-3 : 88-94. (I.F. 0.312)
42. De Greef, B., Triest, L., De Cuyper, B. & Van Slycken, J. (1998). Assessment of intraspecific variation in half-sibs of *Quercus petraea* (Matt.) Liebl. "plus" trees. *Heredity* 81 : 284-290 (1998). (I.F. 2.009)
 43. Triest, L., De Greef, B., Van Slycken J. & Coart, E. (1998) Isozyme differentiation between sympatric clones of *Salix alba* and *Salix fragilis* (Belgium). *Forest Genetics* 5 : 249-260.
 44. Triest, L. & De Greef, B. (1998). Introduced and native *Scirpus* species of the river schelde : effects on genetic diversity. Proc. 10th EWRS Symp. Aquatic Weeds 1998, Lisbon : 139-142
 45. Dahdouh-Guebas, F., Triest, L. & Verneirt, M. (1998). The importance of a hierarchical ecosystem classification for the biological evaluation and selection of least valuable sites. *Impact Assessment and Project Appraisal* 16 (3) : 185-194.
 46. Echchgadda, G. & Triest, L. (1999). Genetic diversity in *Arum maculatum* from two urban forests. *Belg. J. Bot.* 132 : 95-103. (I.F. 0.235)
 47. De Greef, B. & Triest, L. (1999). The use of RAPD for hybrid detection in *Scirpus* from the river Schelde. *Molecular Ecology* 8 : 379-386. (I.F. 3.086)
 48. Triest, L., De Greef, B., Vermeersch, S., Van Slycken J. & Coart, E. (1999) Are *Salix alba* and *Salix fragilis* a hybrid species complex? Evidence from allozyme data. *Plant Syst. Evol.* 215 : 169-187. (I.F. 1.408)
 49. Abeysinghe, P., Triest, L., De Greef, B., Koedam, N. & Hettiarachi, S. (1999) Genetic differentiation between *Bruguiera gymnorhiza* and *B. sexangula* in Sri Lanka. *Hydrobiologia* 413:11-16. (I.F. 0.582).
 50. Triest, L. & De Greef, B. (1999) The use of isozymes and PCR-based DNA polymorphism in aquatic weed management : a case-study on introduced and native clones of a hybrid complex. *Hydrobiologia* 415: 77-85. (I.F. 0.582)
 51. Koppen G, Toncelli ML, Triest, L., Verschaeve L (1999) The comet assay: a tool to study alteration of DNA integrity in developing plant leaves, *Mechanisms of Ageing and Development*, 110, 13-24.
 52. Triest, L. & Kabir, S. (1999) The use of allozymes at three life stages influences the genetic variation analysis and clustering in *Cicer arietinum* germplasm collections. *Euphytica* 112:109-115. (I.F. 0.621)
 53. Triest, L., De Greef, B., De Bondt, R., Van Slycken, J. (2000) RAPD of controlled crosses and clones from the field suggests that hybrids are rare in the *Salix alba* - *Salix fragilis* complex. *Heredity* 84: 555-563. (IF 2.009)
 54. Abeysinghe, P., Triest, L., De Greef, B., Koedam, N., Hettiarachi, S. (2000) Genetic and geographic variation of the mangrove tree *Bruguiera* in Sri Lanka. *Aquatic Botany* 67:131-141. (IF 0.885)
 55. Triest, L. (2001). Hybridization in staminate and pistillate *Salix alba* and *S. fragilis* (Salicaceae) : morphology versus RAPDs. *Plant Systematics and Evolution* 226: 143-154. (IF 1.408)
 56. Triest, L., Kaur, P., Heylen, S., De Pauw, N. (2001) Comparative monitoring of diatoms, macroinvertebrates and macrophytes in the Woluwe river (Brussels, Belgium). *Aquatic Ecology* 35: 183-194 (IF₂₀₀₆: 0.898)
 57. Gichuki, J., Triest, L., Dehairs, F. (2001) The use of stable carbon isotopes as tracers of ecosystem functioning in contrasting wetland ecosystems of Lake Victoria, Kenya. *Hydrobiologia* 458: 91-97. (IF 0.582)
 58. Gichuki, J., Dahdouh-Guebas, F., Mugo, J., Rabuorr, C., Triest, L., Dehairs, F. (2001) Species inventory and the local uses of the plants and fishes of the Lower Sondu Miriu wetland of Lake Victoria, Kenya. *Hydrobiologia* 458: 99-106. (IF 0.582)
 59. Van Rossum, F., Echchgadda, G., Szabadi, I., Triest, L. (2002) Commonness and long-term survival in fragmented habitats: *Primula elatior* as study case. *Conservation Biology* 16: 1286-1295: (IF 3.67)
 60. Van Rossum, F., Triest, L. (2003) Spatial Genetic structure and reproductive success in fragmented and continuous populations of *Primula vulgaris*. *Folia Geobotanica* 38: 239-254. (IF₂₀₀₆: 1.196)
 61. Batelaan, O., De Smedt, F. and Triest, L. (2003) Regional groundwater discharge: phreatophyte mapping, groundwater modelling and impact analysis of land-use change. *J. Hydrology* 275: 86-108. (IF₂₀₀₆: 2.12)
 62. Vermeersch, S., De Genst, W., Vermoesen, F., Triest, L. (2003) The influence of transformations of an ordinal scale of a floristic gradient, applied on a TWINSPAN classification. *Flora* 198: 389-403. (IF₂₀₀₆: 1.23).
 63. Barcaccia, G., Meneghetti, S., Albertini, E., Triest, L., Lucchin, M. (2003) Linkage mapping in tetraploid willows: segregation of molecular markers and estimation of linkage phases support an allotetraploid structure for *Salix alba* x *Salix fragilis* interspecific hybrids. *Heredity* 90: 169-180. (IF₂₀₀₆: 2.87)
 64. Jacquemin, H., Van Rossum, F., Brys, R., Endels P., Hermy, M., Triest, L., De Blust, G. (2003) Effects of agricultural land use and fragmentation on genetics, demography and population persistence of the rare

- Primula vulgaris*, and implications for conservation. Belg. J. Bot. 136: 5-22. (IF 0.591).
65. Ndiritu, G., Gichuki, N., Kaur, P., Triest, L. (2003). Characterization of environmental gradients using physico-chemical measurements and diatom densities in Nairobi river, Kenya. *Aquatic ecosystem Health and Management* 6: 343-354. (IF starts in 2009)
 66. Brys, R., Jacquemyn, H., Endels, P., Van Rossum, F., Hermy, M., Triest, L., De Bruyn, L., De Blust, G. (2004) 'Reduced reproductive success in small populations of the self-incompatible *Primula vulgaris*'. *Journal of Ecology* 92: 5-14. (IF₂₀₀₆: 4.24)
 67. Van Rossum, F., Campos de Sousa, S., Triest, L. (2004). Genetic consequences of habitat fragmentation in an agricultural landscape on the common *Primula veris*, and comparison with its rare congener, *P. vulgaris*. *Conservation genetics* 5: 231-245 (IF₂₀₀₆: 1.32).
 68. Dahdouh-Guebas, F., De Bondt, R., Abeysinghe, P., Kairo, J., Cannicci, S., Triest, L., Koedam, N. (2004). Comparative study of the disjunct zonation pattern of the gray mangrove *Avicennia marina* (Forsk.) Vierh. in Gazi Bay (Kenya). *Bulletin of Marine Science* 74 : 237-252 (IF₂₀₀₆: 1.09)
 69. Gichuki, J., Triest, L., Dehairs, F. (2005). The fate of organic matter in a papyrus (*Cyperus papyrus* L.) dominated tropical wetland ecosystem in Nyanza Gulf (Lake Victoria, Kenya) inferred from delta ¹³C and delta ¹⁵N analysis. *Isotopes in Environmental and Health Studies* 41 (4): 379-390 (IF₂₀₀₆: 0.952)
 70. Pimay, JP, Matthijs, S., Colak H., Chablain P., Bilocq F., Van Eldere J., De Vos D., Zizi, M., Triest, L., Cornelis, P. (2005) Global *Pseudomonas aeruginosa* biodiversity as reflected in a Belgian river. *Environmental Microbiology* 7: 969-980 (IF₂₀₀₆: 4.63)
 71. Van Rossum, F., Triest, L. (2006) Within-population genetic variation in the distylous *Primula veris*: Does floral morph anisoplethy matter in fragmented habitats. *Perspectives in Plant Ecology, Evolution and Systematics* 7: 263-273 (IF₂₀₀₆: 2.91)
 72. Vermeersch, S. , Triest, L. (2006). Distylic *Hottonia palustris* shows high reproductive success in small populations despite low genetic variability. *Aquatic Botany* 84: 354-358 (IF₂₀₀₆: 1.34)
 73. Triest, L. (2006). A comparison of macrophyte indices in headwaters of Flanders (Belgium). *Hydrobiologia* 570: 165-171 (IF₂₀₀₆: 1.05).
 74. Triest, L., Mannaert, A. (2006). Genotyping of *Callitriche* L. reveals relationships of clones with environmental variables. *Hydrobiologia* 570: 73-77 (IF₂₀₀₆: 1.05).
 75. Ndiritu, G., Gichuki, N.N., Triest, L. (2006). Distribution of epilithic diatoms in response to environmental conditions in an urban tropical stream, Central Kenya. *Biodiversity and Conservation* 15 (10) : 3267-3293 (IF₂₀₀₆: 1.42).
 76. Van Rossum, F., Campos de Sousa S., Triest, L. (2006). Morph-specific differences in reproductive success in th distylous *Primula veris* in a context of habitat fragmentation. *Acta Oecologica* 30: 426-433 (IF₂₀₀₆: 1.32).
 77. Van Rossum, F., Triest, L. (2006) Fine-scale genetic structure of the common *Primula elatior* (Primulaceae) at an early stage of population fragmentation. *American Journal of Botany* 93: 1281-1288 (IF₂₀₀₆: 2.97).
 78. Van Geert A., Van Rossum F., Stiers, I., Sierens T., Barker J., Triest, L. (2006) Isolation and characterization of microsatellite loci in primrose (*Primula vulgaris*). Belg. J. Bot. 139: 261-264 (IF 0.639).
 79. Peretyatko, A., Teissier, S., Symoens, J.J., Triest, L. (2007) Phytoplankton abundance and environmental factors in a gradient over sixteen clear to turbid shallow ponds from the Woluwe river catchment (Belgium). *Aquatic Conservation* 17 (6) : 584-601 (IF₂₀₀₇:1.24).
 80. Van Rossum, F., Triest, L. (2007) Fine-scale spatial genetic structure of the distylous *Primula veris* in fragmented habitats. *Plant Biology* 9: 374-382 (IF₂₀₀₇: 2.01)
 81. Van Puyvelde, K., Triest, L. (2007) ISSRs indicate isolation by distance and spatial structuring in *Salix alba* populations along alpine upstream rivers (Alto Adige and Upper Rhine). Belg. J. Bot. 140: 100-108 (IF 0.639).
 82. Peretyatko A., Symoens, J.J., Triest, L. (2007) Impact of macrophytes on phytoplankton in eutrophic peri-urban ponds, implications for pond management and restoration. Belg. J. Bot. 140: 83-99 (IF 0.639).
 83. Triest, L. (2007) 'Macrophytes:' what's in a name. Belg. J. Bot. 140: 3-5 (IF 0.639).
 84. Triest, L., Tran Thi Van, Sierens T. (2007) Chloroplast microsatellite markers reveal *Zannichellia* haplotypes across Europe using herbarium DNA. Belg. J. Bot. 140: 109-120 (IF 0.639).
 86. Le Quang Trung, Van Puyvelde K., Triest, L. (2008) Consensus primers of cinnamic acid 4-hydroxylase (CA4H) discriminate willow species and hybrids (*Salix*, Salicaceae). *Molecular Ecology Resources* 8: 455-458 (IF₂₀₀₇: 1.257). (IF₂₀₀₉: 1.251)
 87. Triest, L. (2008) Molecular ecology and biogeography of mangrove trees towards conceptual insights on gene flow and barriers: a review. *Aquat. Bot.* 89: 138-154 (IF₂₀₀₉: 1.697).

88. Kollongei, J.K., Batelaan, O., Triest, L. and Kipkorir, E.C., 2008, New trends In remote sensing for water resources management: Hyperspectral remote sensing of water quality. *International Journal for Disaster Management, Risk Reduction*, ISSN: 1992-2744, Vol. 1 No. 2, pp. 1-8.
89. Van Geert, A., Van Rossum, F., Triest, L. (2008) Genetic diversity in adult and seedling populations of *Primula vulgaris* in a fragmented agricultural landscape. *Conservation Genetics*, 9: 845-853 (IF₂₀₀₈: 2.41).
90. Abebe Beyene Hailu, Worku Legesse, Triest, L., Kloos, H. (2009) Urban impact on ecological integrity of nearby rivers in developing countries: the Borkena river in Highland Ethiopia. *Environmental Monitoring and Assessment* 153: 461-476 (IF₂₀₀₈: 1.035).
91. Abebe Beyene Hailu, Taffere Addis, Demeke Kifle, Worku Legesse, Kloos, H., Triest, L. (2009) Comparative study of diatoms and macroinvertebrates as indicators of severe water pollution: case study of the Kebena and Akaki rivers in Addis Ababa, Ethiopia. *Ecological Indicators* 9: 381-392 (IF₂₀₀₈: 1.984)
92. Triest, L., Sierens T. (2009) High diversity of *Ruppia* meadows in saline ponds and lakes of the western Mediterranean. *Hydrobiologia* 634:97–105 (IF₂₀₀₈: 1.449)
93. Triest, L., Le Quang Trung, Haque Talukder M., Van Puyvelde, K. (2009) Nuclear cyp73 intron fragment length polymorphism supports morphological analysis of *Salix* species and hybrids. *Plant Biosystems* 143: 555 - 563 (IF₂₀₀₈: 0.517).
94. Peretyatko A, Teissier S, De Backer S, Triest L. (2009). Restoration potential of biomanipulation for eutrophic peri-urban ponds: the role of zooplankton size and submerged macrophyte cover. *Hydrobiologia* 634:125–135 (IF₂₀₁₀: 1.964)
95. Van Puyvelde, K., Van Geert, A., Triest, L., 2010. Atetra, a new software program to analyse tetraploid microsatellite data: comparison with tetra and tetrasat. *Molecular Ecology Resources* 10: 331 – 334. (IF₂₀₀₉: 1.251)
96. A. Van Geert, F. Van Rossum, L. Triest. 2010. Do linear landscape elements in farmland act as biological corridors for pollen dispersal? *Journal of Ecology*, 98: 178-187 (IF₂₀₀₉: 4.69)
97. F. Van Rossum, L. Triest. 2010. Pollen dispersal in an insect-pollinated wet meadow herb along an urban river. *Landscape and Urban Planning* 95: 201-208. (IF₂₀₀₉: 2.170)
98. Van Rossum F., Stiers I., Hardy, O., Van Geert A., Triest L. (2011) Fluorescent dye particles as pollen analogues for measuring pollen dispersal in an insect-pollinated forest herb. *Oecologia* 165: 663-674 (IF₂₀₀₉: 3.129)
99. Peretyatko A, Teissier S, De Backer S, Triest L. 2010. Assessment of the risk of cyanobacterial bloom occurrence in urban ponds: probabilistic approach. *Annales De Limnologie - International Journal of Limnology* 146: 121-133 (IF₂₀₀₉: 0.981)
100. Triest, L., Sierens, T. (2010). Chloroplast sequences reveal a diversity gradient in the Mediterranean *Ruppia cirrhosa* species complex. *Aquatic Botany* 93: 68-74 (IF₂₀₀₉: 1.697)
101. Triest, L., Tran Thi Van, Le Thi Dinh, Sierens, T., Van Geert, A., 2010. Genetic differentiation of submerged plant populations and taxa between habitats. *Hydrobiologia* 656: 15-27. (IF₂₀₁₀: 1.964)
102. Van Onsem, S., De Backer, S., L. Triest, 2010. Microhabitat-zooplankton relationship in dense vegetations of eutrophic clear-water ponds? *Hydrobiologia* 656: 67-81. (IF₂₀₁₀: 1.964)
103. Njambuya J., Triest L. 2010. Comparative performance of invasive alien *Eichhornia crassipes* and native *Ludwigia stolonifera* under non-limiting nutrient conditions in Lake Naivasha, Kenya. *Hydrobiologia* 656: 221-231. (IF₂₀₁₀: 1.964)
104. De Backer, S., Van Onsem, S., L. Triest, 2010. Influence of submerged vegetation and fish abundance on water clarity in peri-urban eutrophic ponds. *Hydrobiologia* 656: 255-276. (IF₂₀₁₀: 1.964)
105. Stiers, I., Crohain, N., Josens, G., Triest, L. (2011) Impact of three aquatic invasive species on native plants and macroinvertebrates in temperate ponds. *Biological Invasion* 13: 2715-2726 (IF₂₀₀₉: 3.074)
106. Njambuya J.; Stiers I., Triest L. (2011) Competition between *Lemna minuta* and *Lemna minor* at different nutrient concentrations. *Aquatic Botany* 94: 158-164
107. Stiers I, Njambuya J., Triest L. (2011) Competitive abilities of invasive *Lagarosiphon major* and native *Ceratophyllum demersum* in monocultures and mixtures in relation to experimental sediment dredging. *Aquatic Botany* 95: 161-166
108. Peretyatko A., Teissier S., De Backer S., Triest L., 2012. Biomanipulation of hypereutrophic ponds: when it works and why it fails. *Journal of Environmental monitoring and assessment* 184(3):1517-1531 IF₂₀₀₉: 1.356
109. Teissier S., Peretyatko A., De Backer S., Triest L., 2012 Strength of phytoplankton - nutrient relationship: evidence from 13 biomanipulated ponds *Hydrobiologia* DOI 10.1007/s10750-011-0726-0.
110. Peretyatko A., Teissier S., De Backer S., Triest L. (2012) Classification trees as a tool for predicting

	<p>cyanobacterial blooms. Hydrobiologia. DOI: 10.1007/s10750-011-0803-4</p> <p>111. Taita Terer, Muasya A.M., Dahdouh-Guebas F., Ndiritu G., <u>Triest L.</u>, 2012, Integrating local ecological knowledge and management practices of an isolated semi-arid papyrus swamp (Loboi, Kenya) into a wider conservation framework. Journal of Environmental Management 93: 71-84</p> <p>112. Taita Terer, <u>Triest L.</u>, Muasya A.M., 2012, Effects of harvesting Cyperus papyrus in undisturbed wetland , Lake Naivasha, Kenya. Hydrobiologia 680: 135-148</p> <p>113. <u>Triest, L.</u>, Sierens, T. (2012). Is the genetic structure of Mediterranean Ruppia shaped by bird-mediated dispersal or sea currents ? Aquatic Botany DOI 10.1016/j.aquabot.2011.09.009</p> <p>114. De Backer S., Teissier S., <u>Triest, L.</u> (2012), Stabilizing the clear-water state in eutrophic ponds after biomanipulation: submerged vegetation vs. fish recolonization. Hydrobiologia DOI 10.1007/s10750-011-0902-2</p> <p>115 Abebe Beyene, Yared Kassahun , Taffer Addis, Fassil Assefa , Akilu Amsalu, Worku Legesse, Helmut Kloos, <u>Ludwig Triest</u> (2012). The impact of traditional coffee processing on river water quality in Ethiopia and the urgency of adopting sound environmental practices Environmental Monitoring and Assessment DOI 10.1007/s10661-011-2479-7</p> <p>116 <u>Triest, L.</u>, Lung'ayia, H., Ndiritu, G., Beyene, A. (2012). Epilithic diatoms as indicators in tropical African rivers (Lake Victoria catchment). Hydrobiologia (accepted).</p>		
15	Number of conference presentations (between brackets invited contributions)		
	125 (12)		
16	Awards		
	Award	Award date	Issuing organisation
	Laureate of the Annual Prize	1984	Academy of Overseas Sciences (Class of Natural and Medical Sciences)
	Laureate of Conservation Prize	1988	WWF-Belgium