

Appendix A

Table A1 Distribution and lineage diversity of alien marsh frogs (*Pelophylax ridibundus*) in the regional and sub-regional administrative units of Europe

Country	N ₁	N ₂	Lineage	GCB	References
Austria	Wien	Vienne			Grillitsch 1990
Austria	Vorarlberg	Bludenz-Bregenzer Wald			Grabher et al. 2015
Belgium	Bruxelles Capitale	Région de Bruxelles-Capitale			Parent 1984; Weiserbs and Jacob 2005
Belgium	Flanders	Antwerpen	kurt, rib, cf ridF	1	Holsbeek and Jooris 2010
Belgium	Flanders	Limburg	rid, cf rid		Holsbeek and Jooris 2010
Belgium	Flanders	Oost Vlaanderen	kurt, rid, bed	1	Holsbeek et al. 2008; Jooris 2002
Belgium	Flanders	Vlaams Brabant	kurt, rid, cf ridF, bed	1	Holsbeek et al. 2008; Jooris 2002
Belgium	Flanders	West Vlaanderen	kurt, cf ridF	1	Holsbeek and Jooris 2010
Belgium	Wallonia	Brabant wallon	rid, bed		Kok et al. 2002; Percsy and Percsy 2013
Belgium	Wallonia	Hainaut			Percsy and Percsy 2007
Belgium	Wallonia	Liège			Percsy and Percsy 2007
Belgium	Wallonia	Luxembourg			Percsy and Percsy 2007
Belgium	Wallonia	Namur			Parent 1984
Croatia	Grad Zagreb		kurt	1	Jelić et al. 2022
Denmark	Hovedstaden	Bornholm			Fog et al. 2019
Estonia	Kirde-Eesti		kurt, rid	1	Milto et al. 2022
Estonia	Lõuna-Eesti		kurt, rid	1	Milto et al. 2022
Finland	Helsinki - Uusimaa				Hoogesteger et al. 2013
France	Auvergne - Rhône-Alpes	Ain			Geniez et al. 2012; Parent 1981
France	Auvergne - Rhône-Alpes	Ardèche	rid	1	Demay et al. 2023; Ohst 2008
France	Auvergne - Rhône-Alpes	Drôme			Ohst 2008
France	Auvergne - Rhône-Alpes	Isère			Geniez et al. 2012
France	Auvergne - Rhône-Alpes	Loire			Geniez et al. 2012
France	Auvergne - Rhône-Alpes	Haute-Loire			Geniez et al. 2012
France	Auvergne - Rhône-Alpes	Haute-Savoie			Ohst 2008
France	Auvergne - Rhône-Alpes	Savoie			Geniez et al. 2012
France	Auvergne - Rhône-Alpes	Rhône			Pagano et al. 1997; Parent 1981
France	Bourgogne Franche Comté	Côte-d'Or			Geniez et al. 2012; Parent 1981
France	Bourgogne Franche Comté	Doubs			Geniez et al. 2012
France	Bourgogne Franche Comté	Haute-Saône			Geniez et al. 2012
France	Bourgogne Franche Comté	Jura			Geniez et al. 2012
France	Bourgogne Franche Comté	Saône-et-Loire			Geniez et al. 2012
France	Bourgogne Franche Comté	Yonne			Geniez et al. 2012
France	Bretagne	Finistère			Pelloté et al. 2019

France	Bretagne	Ille-et-Vilaine			Evrard and Montfort 2020; Neveu 1989; Pelloté et al. 2019
France	Bretagne	Morbihan			Geniez et al. 2012
France	Centre-Val de Loire	Cher			Geniez et al. 2012
France	Centre-Val de Loire	Eure-et-Loir			Geniez et al. 2012
France	Centre-Val de Loire	Loir-et-Cher			Geniez et al. 2012
France	Centre-Val de Loire	Indre			Geniez et al. 2012
France	Centre-Val de Loire	Indre-et-Loire			Geniez et al. 2012
France	Centre-Val de Loire	Loiret			Geniez et al. 2012
France	Grand Est	Ardenne			Geniez et al. 2012
France	Grand Est	Bas-Rhin			Baumgart 1982; Vacher 2010
France	Grand Est	Marne			Geniez et al. 2012
France	Grand Est	Haute-Marne			Geniez et al. 2012
France	Grand Est	Meurthe-et-Moselle			Geniez et al. 2012
France	Grand Est	Moselle			Geniez et al. 2012
France	Grand Est	Haut-Rhin	cf rid, kurt	1	Brodman 1979; Dufresnes et al. 2018
France	Hauts de France	Aisne			Geniez et al. 2012
France	Hauts de France	Aude			Geniez et al. 2012
France	Hauts de France	Nord			Geniez et al. 2012
France	Hauts de France	Oise			Geniez et al. 2012
France	Hauts de France	Pas-de-Calais			Geniez et al. 2012
France	Hauts de France	Somme			Geniez et al. 2012
France	Ile de France	Essonne			Geniez et al. 2012
France	Ile de France	Val-d'Oise			Geniez et al. 2012
France	Ile de France	Yvelines			Geniez et al. 2012
France	Normandie	Calvados			Barrioz et al. 2015
France	Normandie	Eure			Barrioz et al. 2015
France	Normandie	Manche			Barrioz et al. 2015
France	Normandie	Seine-Maritime			Barrioz et al. 2015
France	Nouvelle Aquitaine	Charente-Maritime	kurt	1	Geniez et al. 2012
France	Nouvelle Aquitaine	Creuse			Geniez et al. 2012
France	Nouvelle Aquitaine	Deux-Sèvres			Geniez et al. 2012
France	Nouvelle Aquitaine	Dordogne			Berroneau 2014
France	Nouvelle Aquitaine	Gironde			Geniez et al. 2012
France	Nouvelle Aquitaine	Haute-Vienne			Geniez et al. 2012
France	Nouvelle Aquitaine	Landes			Pagano et al. 2001
France	Nouvelle Aquitaine	Lot-et-Garonne			Berroneau 2014
France	Nouvelle Aquitaine	Pyrénées-Atlantiques			Geniez et al. 2012
France	Nouvelle Aquitaine	Vienne	rid	1	Geniez et al. 2012

France	Occitanie	Aude	cf ridC	1	Demay et al. 2023
France	Occitanie	Aveyron			Demay et al. 2023
France	Occitanie	Hérault	rid, kurt	1	Denoël et al. 2022; Dufresnes et al. 2017
France	Occitanie	Gard	kurt, cf rid	1	Demay et al. 2023
France	Occitanie	Haute-Garonne	rid, cf ridC	1	Geniez et al. 2012
France	Occitanie	Gers	rid, kurt	1	Dufresnes et al. 2024
France	Occitanie	Lot			Geniez et al. 2012
France	Occitanie	Lozère			Geniez et al. 2012
France	Occitanie	Pyrénées-Orientales			Demay et al. 2023
France	Occitanie	Tarn-et-Garonne			Geniez et al. 2012
France	Pays de la Loire	Loire-Atlantique			Bonhomme 2022
France	Pays de la Loire	Maine-et-Loire			Bonhomme 2022
France	Pays de la Loire	Mayenne			Bonhomme 2022
France	Pays de la Loire	Sarthe			Bonhomme 2022
France	Pays de la Loire	Vendée	rid	1	Dubois 1983; Pagano et al. 2001
France	Provence-Alpes-Cote-D'Azur	Alpes-de-Haute-Provence			Geniez et al. 2012
France	Provence-Alpes-Cote-D'Azur	Alpes-Maritimes			Geniez et al. 2012
France	Provence-Alpes-Cote-D'Azur	Bouches-du-Rhône	rid, cf ridC	1	Ohst 2008
France	Provence-Alpes-Cote-D'Azur	Hautes-Alpes			Dussoulier and Grosselet 2002
France	Provence-Alpes-Cote-D'Azur	Var			Geniez et al. 2012; Tankovic and Riviere 2023
France	Provence-Alpes-Cote-D'Azur	Vaucluse			Geniez et al. 2012
Germany	Baden-Württenbergs	Karlsruhe			Sowig et al. 2007
Germany	Baden-Württenbergs	Freibourg			Ohst 2008
Germany	Baden-Württenbergs	Stuttgart			Sowig et al. 2007
Germany	Baden-Württenbergs	Tübingen			Ohst 2008
Germany	Bayern	Oberbayern	rid	1	Mayer et al. 2013
Germany	Bayern	Oberpfalz	kurt	1	Mayer et al. 2013
Germany	Bayern	Schwaben	rid	1	Mayer et al. 2013
Germany	North Rhine-Westphalia	Arnsberg			Ohst 2008
Germany	North Rhine-Westphalia	Düsseldorf			Günther 1996
Germany	North Rhine-Westphalia	Köln			Dalbeck et al. 2001; Günther 1996
Germany	Rheinland-Pfalz	Koblenz			Jäckel et al. 1996
Germany	Rheinland-Pfalz	Trier			Jäckel et al. 1996; Ohst 2008
Germany	Schleswig-Holstein	Schleswig-Holstein			Günther 1996
Italy	Calabria	Reggio Calabria	kurt	1	Bisconti et al. 2019
Italy	Emilia-Romagna	Bologna			Falaschi et al. 2018
Italy	Emilia-Romagna	Forli Cesena	kurt, rid, cf ridB,cf ridF	1	Bellati et al. 2023
Italy	Emilia-Romagna	Modena			Falaschi et al. 2018

Italy	Emilia-Romagna	Parma	bed	1	Bellati et al. 2023
Italy	Emilia-Romagna	Piacenza	kurt, cf ridF	1	Bellati et al. 2023
Italy	Emilia-Romagna	Ravenna	kurt, cf ridD,F,K	1	Bellati et al. 2023
Italy	Emilia-Romagna	Regio nell'Emilia			Falaschi et al. 2018
Italy	Friuli-Venezia Giulia	Trieste	kurt, rid, cf ridF	1	Bellati et al. 2023; Bressi 2006
Italy	Liguria	Genova	kurt	1	Bellati et al. 2023
Italy	Liguria	Imperia	kurt, rid	1	Bellati et al. 2023; Lanza 1962
Italy	Liguria	Savona	kurt, rid	1	Bellati et al. 2023
Italy	Piedmont	Allesandria	kurt, rid	1	Andreone 1998; Bellati et al. 2023
Italy	Piedmont	Asti	kurt	1	Razzetti et al. 2010
Italy	Piedmont	Cuneo	kurt	1	Bellati et al. 2023
Italy	Lombardy	Pavia	kurt, rid, bed	1	Bellati et al. 2023; Razzetti et al. 2010
Italy	Sardegna	Cagliari	kurt, cf ridK	1	Bellati et al. 2019; Di Nicola and Mezzadri 2018
Italy	Sardegna	Sud Sardegna	cf ridK	1	Bellati et al. 2019
Italy	Sardegna	Sassari	kurt, cf rid	1	Bellati et al. 2019
Italy	Trentino Alto-Adige	Bolzano			Caldonazzi et al. 2002
Italy	Trentino-Alto Adige	Trento	rid	1	Bellati et al. 2023; Caldonazzi et al. 2002
Italy	Tuscany	Firenze	rid	1	Bruni et al. 2020
Italy	Tuscany	Pisa	kurt, rid, cf ridF	1	Bruni et al. 2020
Italy	Tuscany	Sienna	kurt, cf ridF	1	Dufresnes et al. 2024
Italy	Umbria	Perugia	kurt, rid	1	Domeneghetti et al. 2013
Latvia	Riga		kurt, rid	1	Borkin et al. 2002
Latvia	Vidzeme		kurt, rid	1	Borkin et al. 2002
Liechtenstein					Kühnis 2002
Luxembourg			cf ridF	1	Proess 2003
Netherlands	Noord-Nederland	Friesland			Bergers and Luitjen 2009
Netherlands	West-Nederland	Zuid-Holland			Hoogmoed 1975
Netherlands	Zuid-Nederland	Limbourg			Felix et al. 2012
Malta	Gozo island	-	cf ridB	1	Papežík et al. 2024; Sciberras and Schembri 2006
Russia	Belgorod	Belgorod	cf ridK	1	Dufresnes et al. 2024
Russia	Kaliningrad	Kaliningrad	cf rid	1	Litvinchuk et al. 2020
Russia	Leningrad	Kingissepp			Milto et al. 2022
Russia	Nijni Novgorod	Nizhny Novgorod	cf rid		Romanova et al. 2023
Russia	Sankt-Peterburg		cf ridG	1	Milto et al. 2022
Slovenia	Zahodna Slovenija	Obalno-Kraska			Bressi 2006
Spain	Extremadura	Province de Cáceres			Arano et al. 1995
Switzerland	Espace Mitelland	Berne	rid	1	Dufresnes et al. 2018; Grossenbacher 1988
Switzerland	Espace Mitelland	Fribourg	kurt, rid, cf ridK	1	Dufresnes et al. 2018; Grossenbacher 1988

Switzerland	Nordwestschweiz	Canton d'Argovie	rid	1	Dubey et al. 2014; Grossenbacher 1988
Switzerland	Nordwestschweiz	Bâle			Grossenbacher 1988
Switzerland	Ostschweiz	Canton de Saint-Gall			Grossenbacher 1988
Switzerland	Ostschweiz	Canton des Grisons	rid	1	Dufresnes et al. 2018
Switzerland	Région lémanique	Genève	rid, kurt, cf rid	1	Dufresnes et al. 2018
Switzerland	Région lémanique	Canton du Valais	kurt, rid	1	Dubey et al. 2014; Dufresnes et al. 2018
Switzerland	Région lémanique	Canton de Vaud	rid, kurt, cf rid	1	Dubey et al. 2014; Dufresnes et al. 2018; Grossenbacher 1988
Switzerland	Zentralschweiz	Lucerne	cf rid		Dufresnes et al. 2018
Switzerland	Zurich	Zurich	rid		Grossenbacher 1988; Lüthi 2011
United Kingdom	East of England	Bedfordshire			Lever 1980
United Kingdom	East of England	East Anglia			Lever 1980
United Kingdom	East of England	Essex			Lever 1980
United Kingdom	London	Outer London (W - NW)			Langton et al. 2011
United Kingdom	South East (England)	Hampshire			Wycherley et al. 2003
United Kingdom	South East (England)	Kent			Lever 1980; Puky et al. 2005; Zeisset and Beebee 2003
United Kingdom	South East (England)	Surrey			Wycherley et al. 2003; Zeisset and Beebee 2003
United Kingdom	South West (England)	Cornwall			Lever 1980
United Kingdom	South West (England)	Devon			Lever 1980
United Kingdom	South West (England)	Dorset			Wycherley et al. 2003

Notes: N1, N2: regional and sub-regional administrative units, respectively (see Table S2 for the specific names in each country); Lineages (following Dufresnes et al. 2024b): *kurt* (*kurtmuelleri*), *ridib* (*ridibundus*), *cf ridib* (*cf ridibundus*), *bed* (*bedriagae*). GCB: DNA Sequences analysed in Dufresnes et al. 2024b (*Global Change Biology*).

References:

- Andreone, F. (1998). Rana "ridibunda" Pallas, 1771. In F. Andreone & R. Sindaco (Eds.), *Erpetologia del Piemonte e della Valle d'Aosta. Atlante degli Anfibi e dei Rettili* (pp. 190-191). Torino: Museo Regionale di Scienze Naturali.
- Arano, B., Llorente, G. A., Garcia-Paris, M., and Herrero, P. (1995). Species translocation menaces Iberian waterfrogs. *Conservation Biology* 9: 196-198.
- Barrioz, M., Cochard, P.-O., and Voeltzel, V. (2015). *Amphibiens et Reptiles de Normandie*. France: URCPIE Basse Normandie.
- Baumgart, G. (1982). Amphibiens. In *Alsace* (pp. 187-198).
- Bellati, A., Bassu, L., Nulchis, V., and Corti, C. (2019). Detection of alien *Pelophylax* species in Sardinia (western Mediterranean, Italy). *BiolInvasions Record* 8: 8-25.
- Bellati, A., Chioocchio, A., Razzetti, E., Bisconti, R., and Canestrelli, D. (2023). A hotchpotch of water frogs in northern Italy. *Biological Invasions* 25: 2737-2745.
- Bergers, J. M., and Luitjen, L. (2009). Meerkikker *Rana ridibunda*. In R. C. M. Creemers & J. J. W. van Delft (Eds.), *De amfibibiëen en reptilen van Nederland* (pp. 242-247). Leiden, The Netherlands: Nationaal Natuurhistorisch Museum Naturalis.
- Berroneau, M. (2014). *Atlas des amphibiens et reptiles d'Aquitaine*. Le Haillan, France: C. Nature, Association Cistude Nature.
- Bisconti, R., Martino, G., Chioocchio, A., Siclari, A., and Canestrelli, D. (2019). Balkan marsh frogs *Pelophylax kurtmuelleri* (Gayda, 1940) introduced in the Aspromonte National Park, southern Italy. *BiolInvasions Record* 8.
- Bonhomme, R. (2022). Groupe des rieuses. In *Atlas des amphibiens et des reptiles des Pays de la Loire*. France: Coordination régionale LPO Pays de la Loire, l'Union régionale des CPIE et la Société Herpétologique de France, Locus Solus.

- Borkin, L. J., Litvinchuk, S. N., Mannapova, E. I., Pestov, M. V., and Rosanov, J. M. (2002). The distribution of green frogs (*Rana esculenta* complex) in Nizhny Novgorod Province, central European Russia. *Russian Journal of Herpetology* 9: 195-208.
- Bressi, N. (2006). *Pelophylax ridibundus* (Pallas, 1771) in Italia, dalla rarefazione all'espansione e *Pelophylax kurtmuelleri* (Gayda, 1940), nuova specie per la Slovenia. *Atti del Museo Civico di Storia Natuale di Trieste* 53: 3-10.
- Brodman, P. (1979). Inventaire des amphibiens de la Petite Camargue. *Bulletin de la Société Industrielle de Mulhouse* 775: 79-84.
- Bruni, G., Mirabella, I., Domeneghetti, D., Fasola, M., and Bellati, A. (2020). Will there be a second extinction? Molecular identification of multiple alien water frogs (*Pelophylax ridibundus* sensu lato) in Tuscany, Central Italy, reveals genetic pollution within a unique hybridogenetic system. *Herpetological Journal* 30: 147-158.
- Caldonazzi, M., Pedrini, P., and Zanghellini, S. (2002). *Atlante degli anfibi e dei rettili della provincia di Trento (Amphibia, Reptilia): 1987-1996 con aggiornamenti al 2001*. Museo tridentino di scienze naturali.
- Dalbeck, L., Grant, H., Hachtel, M., Lengersdorf, G., Mager, W., Neumann, V., and Zehlius, J. (2001). *Amphibien und Reptilien im Kreis Euskirchen*. Nettersheim: Biologische Station im Kreis Euskirchen.
- Demay, J., Ciavatti, F., Cuevas, A., Doniol-Valcroze, P., Eble, A., Leblanc, E., . . . Pineau, A. (2023). Distribution des grenouilles vertes du système *perezi-grafi* et des autres espèces du genre *Pelophylax* (Amphibia: Ranidae) dans leur aire méditerranéenne française à l'ouest du Rhône. *Bulletin de la Société Herpétologique de France*: 1-11.
- Denoël, M., Duret, C., Lorrain-Soligon, L., Padilla, P., Pavis, J., Pille, F., . . . Falaschi, M. (2022). High habitat invasibility unveils the invasiveness potential of water frogs. *Biological Invasions* 24: 3447-3459.
- Di Nicola, M., and Mezzadri, S. (2018). *Anfibi e Rettili di Sardegna*. Milano, Italy: Libreria della Natura.
- Domeneghetti, D., Bruni, G., Fasola, M., and Bellati, A. (2013). Discovery of alien water frogs (gen. *Pelophylax*) in Umbria, with first report of *P. shqipericus* for Italy. *Acta Herpetologica* 8: 171-176.
- Dubey, S., Leuenberger, J., and Perrin, N. (2014). Multiple origins of invasive and 'native' water frogs (*Pelophylax* spp.) in Switzerland. *Biological Journal of the Linnean Society* 112: 442-449.
- Dubois, A. (1983). A propos de cuisses de grenouilles. Protection des amphibiens, arrêtés ministériels, projets d'élevage, gestion des populations naturelles, enquêtes de répartition, production, importations et consommation: une équation difficile à résoudre. Les propositions de la Société Batrachologique de France. *Alytes* 2: 69-111.
- Dufresnes, C., Denoël, M., di Santo, L., and Dubey, S. (2017). Multiple uprising invasions of *Pelophylax* water frogs, potentially inducing a new hybridogenetic complex. *Scientific Reports* 7: 6506.
- Dufresnes, C., Leuenberger, J., Amrhein, V., Bühler, C., Thiébaud, J., Bohnenstengel, T., and Dubey, S. (2018). Invasion genetics of marsh frogs (*Pelophylax ridibundus* sensu lato) in Switzerland. *Biological Journal of the Linnean Society* 123: 402-410.
- Dufresnes, C., Monod-Broca, B., Bellati, A., Canestrelli, D., Ambu, J., Wielstra, B., . . . Jablonski, D. (2024). Piecing the barcoding puzzle of Palearctic water frogs (*Pelophylax*) sheds light on amphibian biogeography and global invasions. *Global Change Biology* 30: e17180.
- Dussoulier, F., and Grosselet, O. (2002). Grenouille rieuse *Rana ridibunda* Pallas, 1771. In *Amphibiens et Reptiles du Poitou Charente. Atlas préliminaire* (pp. 60-61). France: Poitou Charente Nature.
- Evrard, P., and Montfort, D. (2020). L'agronome, la grenouille et les granulés ! *L'écho herpéto* 5: 3-8.
- Falaschi, M., Mangiacotti, M., Sacchi, R., Scali, S., and Razzetti, E. (2018). Electric circuit theory applied to alien invasions: a connectivity model predicting the Balkan frog expansion in Northern Italy. *Acta Herpetologica* 13: 33-42.
- Felix, R., Cronbaghs, B., and Geraeds, R. (2012). Exotische meerkikkers in Zuid-Limburg. *Natuurhistorisch Maandblad* 101: 125-130.
- Fog, K., Adrados, L., Andersen, A., Briggs, L., Christensen, P., Damm, N., . . . Heatwole, H. (2019). Decline and conservation of amphibians in Denmark. In *Amphibian biology, Volume 11, part 5: Northern Europe* (pp. 149-179): Pelagic Publishing.
- Geniez, P., Grosselet, O., and Crochet, P. A. (2012). *Pelophylax ridibundus* (Pallas, 1771) Grenouille rieuse. In J. Lescure & J. C. de Massary (Eds.), *Atlas des amphibiens et reptiles de France* (pp. 126-128). Mèze & Paris, France: Biotope - Muséum national d'Histoire naturelle.

- Grabher, M., Aschauer, M., Strauß, A., and Loacker, I. (2015). Ausbreitung des Seefrosches (*Pelophylax ridibundus*) im Vorarlberger Rheintal. *inatura – Forschung online* 14: 5S.
- Grillitsch, H. (1990). 15. Seefrosch *Rana ridibunda* Pallas, 1771. In F. Tiedemann (Ed.), *Lurche und Kriechtiere Wiens* (pp. 102-107). Wien, Austria: J & V Edition.
- Grossenbacher, K. (1988). *Atlas de distribution des amphibiens de Suisse*. Bâle: Ligue Suisse pour la Protection de la Nature.
- Günther, R. (1996). Seefrosch - *Rana ridibunda* Pallas, 1771. In R. Günther (Ed.), *Die Amphibien und Reptilien Deutschlands* (pp. 490-507). Jena, Germany: Gustav Fisher.
- Holsbeek, G., and Jooris, R. (2010). Potential impact of genome exclusion by alien species in the hybridogenetic water frogs (*Pelophylax esculentus* complex). *Biological Invasions* 12: 1-13.
- Holsbeek, G., Mergey, J., Hotz, H., Plötner, J., Volckaert, F. A. M., and De Meester, L. (2008). A cryptic invasion within an invasion and widespread introgression in the European water frog complex: consequences of uncontrolled commercial trade and weak international legislation. *Molecular Ecology* 17: 5023-5035.
- Hoogesteger, T., Rahkonen, J., and Karhilahti, A. (2013). Pool frog (*Pelophylax lessonae*) Camerano 1882 (Anura, Ranidae), an addition to the Finnish amphibian fauna. *Memoranda Societatis pro Fauna et Flora Fennica* 89: 25-31.
- Hoogmoed, M. (1975). On the presence of *Rana ridibunda ridibunda* Pallas in the Netherlands. *Zoologische Bijdragen* 17: 72-76.
- Jäckel, U., Twelbeck, R., and Bitz, A. (1996). Seefrosch - *Rana ridibunda* (Pallas, 1771). In A. Bitz, K. Fischer, L. Simon, R. Thiele, & M. Veith (Eds.), *Die Amphibien und Reptilien in Rheinland-Pfalz* (pp. 285-295). Landau.
- Jelić, M., Franjević, D., Đikić, D., Korlević, P., Vucić, M., Jelić, D., . . . Klobučar, G. (2022). Hybrid swarm as a result of hybridization between two alien and two native water frog species (genus *Pelophylax*) in Central Croatia: Crna Mlaka fishpond acting as a species melting pot? *Biological Invasions* 24: 3291-3304.
- Jooris, R. (2002). Exoten onder de inheemse herpetofauna. *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique, Biologie* 72: 223-228.
- Kok, P., Jooris, R., Percsy, C., and Lenglet, G. (2002). Dangers pour la faune indigène de l'introduction d'espèces animales à des fins ornementales: *Rana bedriagae* (Amphibia: Anura: Ranidae), un futur cas d'école? *Bulletin de l'Institut Royal des Sciences naturelles de Belgique* 72, Suppl.: 219-221.
- Kühnis, J. (2002). *Die Amphibien des Fürstentums Liechtenstein*. Vaduz, Liechtenstein: Amtlicher Lehrmittelverl. .
- Langton, T., Atkins, W., and Herbert, C. (2011). On the distribution, ecology and management of non-native reptiles and amphibians in the London Area. Part 1. Distribution and predator/prey impacts. *London Naturalist* 90: 83-156.
- Lanza, B. (1962). On the introduction of *Rana ridibunda* Pallas and *Rana catesbeiana* Shaw in Italy. *Copeia* 1962: 642-643.
- Lever, C. (1980). Naturalised reptiles and amphibians in Britain. *Bulletin of the British Herpetological Society* 1: 27-31.
- Litvinchuk, S. N., Ivanov, A. Y., Lukonina, S. A., and Ermakov, O. A. (2020). A record of alien *Pelophylax* species and widespread mitochondrial DNA transfer in Kaliningradskaya Oblast' (the Baltic coast, Russia). *BiolInvasions Records* 9: 599-617.
- Lüthi, M. D. (2011). *Ecological and genetic structure of water frog populations: the role of habitat characteristics and invasive species*. (Master Thesis,), Institute of Evolutionary Biology and Environmental Studies, Zurich, Switzerland.
- Mayer, M., Hawlitschek, O., Zahn, A., and Glaw, F. (2013). Composition of twenty green frog populations (*Pelophylax*) across Bavaria, Germany. *Salamandra* 49: 31-44.
- Milto, K. D., Barabanov, A., Borkin, L., Rosanov, J., and Litvinchuk, S. (2022). Distribution and population systems of water frogs (The *Pelophylax esculentus* Complex) In northwestern Russia. *Russian Journal of Herpetology* 29: 298-316.
- Neveu, A. (1989). *Rana ridibunda*. In J. Castanet & R. Guyétant (Eds.), *Atlas de répartition des amphibiens et reptiles de France* (pp. 90-91). Paris, France: Société Herpétologique de France.
- Ohst, T. (2008). *Genetische Einflüsse allochthoner Wasserfrösche auf endemische Wasserfroschpopulationen (R. kl. esculenta Komplex)*. (PhD Thesis), Humboldt-Universität, Berlin.
- Pagano, A., Crochet, P. A., Graf, J. D., Joly, P., and Lodé, T. (2001). Distribution and habitat use of water frog hybrid complexes in France. *Global Ecology and Biogeography* 10: 433-441.
- Pagano, A., Joly, P., and Hotz, H. (1997). Taxon composition and genetic variation of water frogs in the Mid-Rhone floodplain. *Comptes Rendus de l'Académie des Sciences-Series III-Sciences de la Vie* 320: 759-766.
- Papežík, P., Sciberras, A., Benovics, M., Sciberras, J., Deidun, A., and Mikulíček, P. (2024). Far from home: tracing the origin of non-native water frogs (genus *Pelophylax*) in Malta by molecular markers. *Biological Invasions* 26: 1045-1059.

- Parent, G. H. (1981). Esquisse écologique du peuplement herpétologique du nord-est de la France. *Société d'Histoire Naturelle de la Moselle* 43: 339-389.
- Parent, G. H. (1984). Atlas des batraciens et reptiles de Belgique. *Cahiers d'Ethologie Appliquée* 4: 1-195.
- Pelloté, F., Clergeau, P., Pascal, M., Lorvelec, O., Haury, J., Magnanon, S., . . . Siorat, F. (2019). *Principales espèces exotiques envahissantes en Bretagne: écologie, histoire, impacts*. Rennes: Observatoire de l'Environnement en Bretagne.
- Percsy, C., and Percsy, N. (2007). La Grenouille rieuse *Rana (Pelophylax) ridibunda* Pallas, 1771. In J. P. Jacob, C. Percsy, H. De Wavrin, E. Graitson, T. Kinet, M. Denoël, M. Paquay, N. Percsy, & A. Remacle (Eds.), *Amphibiens et Reptiles de Wallonie* (pp. 298-303). Namur: Aves-Rainne & Région wallonne.
- Percsy, C., and Percsy, N. (2013). Identification des grenouilles «vertes» *Pelophylax* spp. (Anura, Ranidae) en Wallonie (Belgique): confrontation de critères morphologiques et acoustiques avec des analyses enzymatiques et d'ADNmt. *Bulletin de la Société Herpétologique de France* 147: 249-278.
- Proess, R. (Ed.) (2003). *Verbreitungsatlas der Amphibien des Grossherzogtums Luxemburg*. Luxembourg: Musée National d'Histoire Naturelle du Luxembourg.
- Puky, M., Schad, P., and Szövényi, G. (2005). *Magyarország herpetológiai atlasza/herpetological atlas of Hungary*. Budapest, Hungary: Varangy Akciocsoport Egyesület.
- Razzetti, E., Pellitteri-Rosa, D., Sacchi, R., Tiso, E., and Bernini, F. (2010). *Primi dati sulla presenza di Pelophylax kurtmuelleri (Gayda, 1940) in Lombardia*. Paper presented at the Atti VIII Congresso Nazionale Societas Herpetologica Italica (Chieti, 22-26 settembre 2010).
- Romanova, E. B., Lukonina, S. A., Ryabinina, E. S., and Plotnikova, V. D. (2023). Ecological and physiological analysis of immune responses of *Pelophylax ridibundus* and *P. lessonae* (Amphibia: Ranidae) in anthropogenically transformed territories. *Biology Bulletin* 50: 2719-2729.
- Sciberras, A., and Schembri, P. J. (2006). Occurrence of the alien Bedriaga's frog (*Rana bedriagae*) Camerano, 1882 in the Maltese Islands, and implications for conservation. *Herpetological Bulletin*: 2-5.
- Sowig, P., Plötner, J., and Fritz, K. (2007). Seefrosch *Rana ridibunda* Pallas, 1771. In H. Laufer, K. Fritz, & P. Sowig (Eds.), *Die Amphibien und Reptilien Baden-Württebergs* (pp. 487-500). Stuttgart: Ulmer KG.
- Tankovic, E., and Riviere, V. (2023). Eradication de grenouilles rieuses *Pelophylax ridibundus* récemment introduites sur l'île du Levant (Provence, France). *Scientific Report of Port-CRos National Park* 37: 439-449.
- Vacher, J.-P. (2010). La grenouille rieuse. In J. Thiriet & J.-P. Vacher (Eds.), *Atlas des Amphibiens et Reptiles d'Alsace*. Colmar/Strasbourg, France: BUFO.
- Weiserbs, A., and Jacob, J.-P. (2005). *Amphibiens et Reptiles de la Région de BRuxelles-Capitale*. Brussels: AVES and Institut Bruxellois pour la Gestion de l'Environnement.
- Wycherley, J., Doran, S., and Beebee, T. J. (2003). Tracing aliens identification of introduced water frogs in Britain by male advertisement call characteristics. *Herpetological Journal* 13: 43-50.
- Zeisset, I., and Beebee, T. J. C. (2003). Population genetics of a successful invader: the marsh frog *Rana ridibunda* in Britain. *Molecular Ecology* 12: 639-646.