

Renaud Jaunatre

31 years-old (13th March 1986)
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OVERVIEW

Researcher in ecological engineering and restoration ecology
Mountain Ecosystems and Societies Laboratory (LESSEM Irstea)
Grenoble centre, France

Education

2013: Accreditation to apply for Assistant Professor positions (CNU 68)
2008-2012: PhD in Restoration Ecology.
Avignon University, France, defended December 7th 2012.
2008: Second year of M.Sc. in Ecosystem Functioning and Modeling.
Bordeaux University, France.
2007: First year of M.Sc. in Ecosystem, Community and Population Ecology.
Rennes University, France.
2006: Final year of B.Sc. in Ecology. Rennes University, France.

Scientific Communications

Papers accepted in indexed journals: 15
(5 of which as 1st author)
Papers accepted in non-indexed journal: 11
(3 of which as 1st)
Scientific book contributions: 6
(one of which as 1st)
Communication at conferences: 64
(35 international - 29 national / 7 talks – 31 oral – 26 posters)

Co-advising of undergraduate student research projects

M.Sc.: 6 earned in 2009, 2010, 2011 and 2015.
First year of M.Sc.: 2 earned in 2010.
B.Sc.: 1 earned in 2010.

Teaching

Courses and practical works in B.Sc. and M.Sc. levels (389h from 2008 to present: soil science, agronomy, ecological diagnostics, restoration ecology, geographical information systems and statistical analyses.)

EDUCATION

- 2008-2012** **University of Avignon, France.** PhD in Ecology, Advised by Elise Buisson and Thierry Dutoit, Committee: Richard Hobbs, Martin Zobel, Rob Marrs, François Mesléard and Jonathan Mitchley. *Dynamics and restoration of a Mediterranean steppe after changes in land-use (La Crau, Southern-France)* , with honours.
- 2007-2008** **University of Bordeaux, France.** Second year of M.Sc. in Ecosystem Functioning and Modeling, with honours.
- 2006-2007** **University of Rennes, France.** First year of M.Sc. in Ecosystem, Community and Population Ecology, with honours.
- 2005-2006** **University of Rennes, France.** Final year of B.Sc. in Ecology, with honours.
- 2003-2005** **La Roche-sur-Yon University, France.** First two years of B.Sc. in Biology, with honours.
- 2000-2003** **Saint Joseph High School, Machecoul, France.** High School diploma specialized in Science, with honours.

EMPLOYMENT

- 2013 to present** **Mountain Ecosystem research unit IRTSEA, Grenoble center.** Conducting research on ecological engineering applied to degrade or unstable soil restoration.
- 2008 - 2013** **University of Avignon and Mediterranean Institute of Biodiversity and Ecology (UMR CNRS/IRD 7263/237 IMBE), France.** Conducting research on the dynamics and restoration of a Mediterranean steppe after changes in land-use (La Crau, Southern-France), mainly focused on plant communities.
- 2008 - 2013** **IUT Avignon, France.** Teaching in DUT GB (Ecology and Agronomy Engineering Undergrad school), courses and practical works (335h) related to soil science, agronomy, river ecology assessment, Geographical Information System, using R and statistical analyses
- 2013 (1 week)** **Ouargla University, Algeria.** Teaching in B.Sc., M.Sc. and Magister, courses and practical works (19h) Restoration ecology and ecological restoration – Using R for analyses in ecology – Multivariate analyses with R.
- 2011-2013** **University of Marseille, France.** Teaching in Master SET (Ecology M.Sc.), courses and field work (35h) Restoration ecology
- 2008 (6 months)** **Bordeaux University and UMR INRA 1202 Biodiversity Genes and Community, France.** Collaborated with Michel Mench on researchs about the bacterial endophytes of *Agrostis capillaries* and their potential effects on its tolerance to Cu in contaminated soils.
- 2007 (3 months)** **Bordeaux University and UMR INRA 1202 Biodiversity Genes and Community, France.** Collaborated with Michel Mench on researchs about plant community responses to mixed soil contamination (organic pollutants, Cu, As) and to aided phytostabilisation treatments
- 2006 (2 months)** **Rennes University and UMR 6553 Ecosystems Biodiversity and Evolution, France.** Collaborated with Françoise Rozé on the vegetation survey of sand dune plant communities in a Natura 2000 site.

GRANTS AND AWARDS

Second prize young scientist poster presentation at the 55th Symposium of International Association for Vegetation Science – IAVS, Mokpo, South Korea, 23rd-28th July 2012.

Second prize, photographs contest at the 8th french congress on plant community ecology, Nancy, France, 29th-31st March 2012.

First prize young scientist oral presentation at the 54th Symposium of International Association for Vegetation Science – IAVS, Lyon, 20th-24th June 2011.

First prize young scientist oral presentation at the 7th french congress on plant community ecology, Lausanne, Swiss, 30th March – 1st April 2011.

Provence region doctoral fellowship (2008-2011)

MANAGERIAL ACTIVITIES EXPERIENCE

- March 2016** **12th Congress of plant community ecology – ECOVEG 11**
Member of scientific committee, Brest, 29th-31st March 2016
<http://ecoveg12.sciencesconf.org/>
- January 2016** **7th Congress of the French Network of Ecological Restoration – REVER 7**
Member of organizing committee, Bordeaux, 19th-20th January 2016
<http://rever2016.sciencesconf.org/>
- March 2015** **11th Congress of plant community ecology – ECOVEG 11,**
Co-organizer, Grenoble, 25th-27st March 2015.
<http://ecoveg11.sciencesconf.org/>
- May 2013** **Summer School on Restoration of Mediterranean ecosystems.**
Member of organizing committee, 13th-17th May, Avignon.
<http://chapter.ser.org/europe/upcoming-events/training/>
- September 2012** **8th European Conference on Ecological Restoration, České Budějovice, Czech Republic.**
Conducted as a chairman the “Grasslands III” session.
- June 2011** **54th Symposium of International Association for Vegetation Science, Lyon, France**
Organized and conducted the pre-symposium fieldtrip aiming at discovering the French Mediterranean flora (18 people, 12th-17th June 2011, <http://www.iavs.org/uploads/presymp-2011.pdf>)
- August 2010** **7th Conference of Society for Ecological Restoration in Avignon, France**
Coordinated the ten mid-symposium field trips (approximately 50 people in each), aiming at visiting ecological restoration projects in French Mediterranean region (25th August 2010)
- August 2010** **7th Conference of Society for Ecological Restoration in Avignon, France**
Conducted as a chairman the “Restoration of herbaceous ecosystems” session.

EXPERIENCE WITH SCIENTIFIC EXPEDITION

-Member of the 7th European Dry Grassland Group expedition to Navarre, Spain, from 15th to 24th June 2014.

-Member of the 6th European Dry Grassland Group expedition to the Altai Mountains, Russia, from 21st July 2013 to 1st August 2013.

ACTIVITIES IN SCIENTIFIC ASSOCIATIONS

-Member of the board of the French network of Ecological Restoration (REVER)

-Member of the Society for Ecological Restoration, International Association of Vegetation Science, the French Ecological Society, the Provence Linnean Society, the Dauphiné Botanic Society (Gentiana) and the French network of Ecological Restoration.

-Reviewing of scientific papers for *Applied Vegetation Science* (3) *Basic and Applied Ecology* (1), *Ecologia Mediterranea* (1), *Ecological Engineering* (2), *Environmental Management* (1), *Forestry* (1), *Journal of Applied Ecology* (1), *PlosOne* (1) and *Restoration Ecology* (1) and a chapter for Cambridge Scholars Publishing.

SKILLS

Computer literacy: Word, Excel, PowerPoint, Photoshop, Gimp, ArcGIS and QGIS (Good skills of basic mapping tools) et R (Good skills for univariate or multivariate analyses, the creation of advanced graphics and function creations).

Botany: Basic knowledge in global botany, good knowledge of the widespread French flora, especially on the Atlantic coast and alpine flora, very good knowledge of the French Mediterranean steppe flora and very good skills at using determination tools.

Basic knowledge on avifauna and entomofauna.

English: Good skills in spoken or written English.

Sports: Regular running, hiking, mountaineering, skiing or climbing.

SCIENTIFIC COMMUNICATION

Accepted papers in indexed journals

- [15] Alignan, J.F., Debras, J.F., **Jaunatre, R.**, Dutoit, T. (2018) Effects of ecological restoration on beetle assemblages in a Mediterranean steppe rangeland. *Biodiversity and Conservation*. <https://doi.org/10.1007/s10531-018-1528-8>
- [14] Buisson, E., **Jaunatre, R.**, Römmermann, C., Bulot, A., Dutoit, T. (2018) Topsoil translocation as a method of species transfer: lessons learnt from two large restoration projects. *Restoration Ecology*. doi: 10.1111/rec.12682
- [13] Buisson, E., **Jaunatre, R.**, Regnery, B., Lucas, M., Alignan J.F., Heckenroth, A., Muller, I., Bernez, I., Combroux, I., Moussard, S., Glasser, T., Jund, S., Lelièvre, S., Malaval, S., Vécrin-Stablo, M.P., Gallet, S. (2018) Promoting ecological restoration in France: issues and solutions. *Restoration Ecology*, 26:36-44.
- [12] Chenot, J., **Jaunatre, R.**, Buisson, E., Bureau, F., Dutoit, T. (2018) Impact of quarry exploitation and disuse on pedogenesis. *Catena*, 160: 354-365.
- [11] Chenot, J., Gaget, E., Moinardeau, C., **Jaunatre, R.**, Buisson, E., Dutoit, T. (2017) Substrate composition and depth affect soil moisture behavior and plant-soil relationship on Mediterranean extensive green roofs. *Water*, 9, 817; doi:10.3390/w9110817.
- [10] Chenot, J., **Jaunatre, R.**, Buisson, E., Dutoit, T. (2017) Long-term effects of topsoil transfer assessed thirty years after rehabilitation of dry alluvial quarries in southeastern France. *Ecological Engineering*, 99:1-12.
- [9] **Jaunatre, R.**, Fonvieille, N., Spiegelberger, T., Buisson, E., Dutoit, T. (2016) Recovery of arbuscular mycorrhizal fungi root colonization after severe anthropogenic disturbance: four species assessed in old-growth Mediterranean grassland. *Folia Geobotanica*, 51:319-332.
- [8] Polyakova, M.A., Dembicz, I., Becker, T., Becker, U., Demina, O.N., Ermakov, N., Filibeck, G., Guarino, R., Janišová, M., **Jaunatre, R.**, Kozub, Ł., Steinbauer, M.J., Suzuki, K., Dengler, J. (2016) Scale- and taxon-dependent patterns of plant diversity in steppes of Khakassia, South Siberia (Russia). *Biodiversity and Conservation*. DOI 10.1007/s10531-016-1093-y.
- [7] Rey, F., Cécillon, L., Cordonnier, T., **Jaunatre, R.**, Loucougaray, G. (2015) Integrating ecological engineering and ecological intensification from management practices to ecosystem services into a generic framework. A review. *Agronomy for Sustainable Development*, 35, 1335-1345.
- [6] Kolbas, A., Kidd, P., Guinberteau, J., **Jaunatre, R.**, Herzig, R., Mench, M. (2015) Endophytic bacteria take the challenge to improve Cu phytoextraction by sunflower. *Environmental Science and Pollution Research*, DOI: 10.1007/s11356-014-4006-1.
- [5] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2014) Can ecological engineering restore Mediterranean rangeland after intensive cultivation? A large-scale experiment in southern France. *Ecological engineering*, 64, 202-212.
- [4] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2013) Topsoil removal improves various restoration treatments of a dry Mediterranean grasslands (the La Crau area, Provence, France). *Applied Vegetation Science*, Doi:10.1111/avsc.12063.
- [3] **Jaunatre, R.**, Buisson, E., Muller, I., Morlon, H., Mesléard, F., Dutoit, T. (2013) New synthetic indicators to assess community resilience and restoration success. *Ecological Indicators*, 29, 468-477.
- [2] Bes, C.M., **Jaunatre, R.**, Mench, M. (2013) Seed bank of Cu-contaminated topsoils at wood preservation site: impacts of copper and compost on seed germination. *Environmental Monitoring and Assessment*, 185:2, 2039-2053.

- [1] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2012) First-year results of a multi-treatment steppe restoration experiment in La Crau (Provence, France). *Plant Ecology and Evolution*, 145:1, 13-23.

Accepted papers in non-indexed journals

- [11] Dutoit, T., **Jaunatre, R.**, Alignan, J-F., Bulot, A., Wolff, A., Buisson, E. (in press) Premier site naturel de compensation français : regards d'écologues. *Nature Sciences Sociétés*.
- [10] **Jaunatre, R.**, Evette, A., Buisson, M., Fort, N., Barrand, C., Bourret, V., Martinelli, M., Pinel, A., Popoff, N., Favier, G., Dedonder, E. (2018) Les populations iséroises de petite massette (*Typha minima* Hoppe) : suivis et perspectives de restauration. *Sciences, Eaux, Territoires*, 44, 2-8.
- [9] **Jaunatre, R.**, Gaucherand, S., Guérold, F., Muller, S., Rey, F. (2017) ASPIRE : un cadre méthodologique pour l'appréciation du succès des projets d'ingénierie et de restauration écologiques : application à une opération de restauration d'une zone humide d'altitude. *Sciences, Eaux, Territoires*, 24: 66-71.
- [8] Gallet, S., **Jaunatre, R.**, Regnery, B., Alignan, J-F., Heckenroth, A., Muller, I., Bernez, I., Combroux, I., Glasser, T., Jund, S., Lelièvre, S., Malaval, S., Moussard, S., Vécrin-Stablo, M-P., Buisson, É. (2017) L'écologie de la restauration en France. Dynamique actuelle et rôle d'un réseau multi-acteurs, REVER. *Naturae*, 7:1-11.
- [7] Dutoit, T., Chenot, J., Buisson, E., **Jaunatre, R.** (2017) Restaurer ou laisser faire la nature ? *Le Courrier de la Nature*, 301, 42-45.
- [6] Dengler, J., Biurrun, I., Apostolova, I., Barestegi, A., Baumann, E., Becker, T., Becker, U., Boch, S., Dembicz, I., Didukh, Y.P., Dolnik, C., Ermakov, N., Filibeck, G., Garcia-Mijangoz, I., Giusso del Galdo, G., Guarino, R., Janišová, M., **Jaunatre, R.**, Jensen, K., Jeschke, M., Kącki, Z., Kuzemcko, A.A., Löbel, S., Pedashenko, H., Polyakova, M., Ruprecht, E., Szabó, A., Vassilev, K., Velev, N., Weiser, F. (2016) Scale-dependent plant diversity in Palaearctic grasslands: a comparative overview. *Bulletin of the Eurasian Dry Grassland Group*, 31:12-26.
- [5] Dutoit, T., Calvet, C., **Jaunatre, R.**, Alignan, J.F., Wolff, A., Sauguet, F., Bulot, A., Buisson, E., Debras, J.F., Provost, E., Napoléone, C. (2015) Premier bilan de la réserve d'actifs naturels de Cossure dans la plaine de La Crau. *Sciences Eaux & Territoires*, 16.
- [4] Biurrun, I., Garcia-Mijangos, I., Berastegi, A., Ambarli, D., Dembicz, I., Filibeck, G., Jandt, U., Janišova, M., **Jaunatre, R.**, Kącki, Z., Kuzemcko, A., Pedashenko, H., Polchaninina, N.Y., Vynokurov, D., Dengler, J. (2014). Diversity of dry grasslands in Navarre (Spain). *Bulletin of European Dry Grassland Group*, 24, 4-12.
- [3] Janišova, M., Becker, T., Becker, U., Demina, O., Dembicz, I., Ermakov, N., Filibeck, G., Franck, D., Guarino, R., **Jaunatre, R.**, Kozub, Ł., Polyakova, M., Suzuki, K., Dengler, J. (2013) Steppes of Southern Siberia. *Bulletin of European Dry Grassland Group*, 19, 31-39.
- [2] **Jaunatre, R.**, Dolidon, B., Buisson, E., Dutoit, T. (2011) Note méthodologique : Exemple de restauration de la plaine de la Crau : l'écologie de la restauration face à la restauration écologique *Sciences, Eaux, Territoires*, 5, 36-39.
- [1] Dutoit, T., Buisson, E., Fadda, S., Henry, F., Coiffait-Gombault, C., **Jaunatre, R.** (2011) Dix années de recherche dans une pseudo-steppe méditerranéenne : impacts des changements d'usage et restauration écologique. *Sécheresse*, 22 :2, 75-85.

Scientific book contributions

- [6] Marchand, L., **Jaunatre, R.**, Mench, M. (2017) Impacts des contaminants sur la structure et le fonctionnement des communautés de végétaux supérieurs. In:

- Ecotoxicologie des communautés et des écosystèmes, Bernard, C., Mougin, C., Péry, A., ISTE Editions pp. 261-300.
- [5] **Jaunatre, R.**, Buisson, E., Coiffait-Gombault, C., Bulot, A., Dutoit, T. (2014) Restoring species-rich Mediterranean dry grassland in France using different species-transfer methods. In: Guidelines for native seed production and grassland restoration, Kiehl, K., Kirmer, A., Shaw, N., Tischew, S., Cambridge: Cambridge Scholars Publishing pp. 160-181.
- [4] Dutoit, T., **Jaunatre, R.**, Alignan, J.F. (2014) L'écologie de la restauration au service de la compensation écologique : le cas de la réserve d'actifs naturels de Cossure dans les Bouches-du-Rhône. In: Sciences de la Conservation, Gauthier-Clerc M., Mesleard, F., Blondel, J., Paris: De Boeck pp. 176-177.
- [3] Dutoit, T., **Jaunatre, R.**, Buisson, E. (2013) Virtual field trip 2. Mediterranean Steppe Restoration in France. In: Ecological Restoration, 2nd Edition, Clewell, A.F., Aronson, J. Washington, Covelo, London: Island Press pp. 60-64.
- [2] Dutoit, T., Buisson, E., Fadda, S., Henry, F., Coiffait-Gombault, C., **Jaunatre, R.**, Alignan, J.F., Masson, S., Bulot, A. (2013) The pseudo-steppe of La Crau (South-Eastern France): origin, management and restoration of a Mediterranean rangeland. In: Steppe Ecosystems: Biological Diversity, Management and Restoration, Traba, J., Morales, M., New York: Nova Publishers pp. 287-301.
- [1] Dutoit, T., Buisson, E., Coiffait-Gombault, C., **Jaunatre, R.** (2013) Premiers résultats de la restauration écologique des coussouls. In: La Crau, Ecologie et conservation d'une steppe Méditerranéenne, Tatin, L., Wolff, A., Boutin, J., Colliot, E., Dutoit, T. Paris: Quae pp. 37-56.

International Oral Presentation

- [22] **Jaunatre, R.**, Evette, A., Popoff, N., Buisson, M., Dedonder, E. (2017) Ecological niche of an endangered pioneer species, what can we learn to restore its population? Experiments with the dwarf bulrush (*Typha minima* Hoppe). 7^{ème} World Conference on Ecological Restoration, 28th august – 1st september 2017, Foz de Iguassu, Brazil.
- [21] **Jaunatre, R.**, Buisson, E., Alignan, J.F., Dolidon, B., Oberlinkels, M., Sauguet, F., Wolff, A., Dutoit, T. (2016) Setting-up and assessment of a large-scale restoration project: Example of a steppe grassland rehabilitation project in south-eastern France. 6th European Conference on Ecological Restoration, Freising, Germany, 22nd-26th August 2016.
- [20] Buisson, E., Jardim Arruda, A., **Jaunatre, R.**, Le Stradic, S., Muller, I., Yavercovski, N., Willm, L., Dutoit, T., Mesléard, F., Silveira, F.A.O. (2016) Seed bank and seed rain studies in tropical grasslands and Mediterranean ecosystems: lessons learnt for restoration. 6th European Conference on Ecological Restoration, Freising, Germany, 22nd-26th August 2016.
- [19] Isselin-Nondedeu, F., Hervé, P., **Jaunatre, R.**, Vary, B., Pineau, E. (2016) Multi-level monitoring after the restoration of a network of forest ponds and vernal pools. 6th European Conference on Ecological Restoration, Freising, Germany, 22nd-26th August 2016.
- [18] Chenot, J., **Jaunatre, R.**, Buisson, E., Dutoit, T. (2016) Release or restore abandoned quarries? The case of the La Crau plain in South-Eastern France. 6th European Conference on Ecological Restoration, Freising, Germany, 22nd-26th August 2016.
- [17] Buisson, E., **Jaunatre, R.**, Gallet, S., Regnery, B., Alignan, J.F., Bernez, I., Combroux, I., Glasser, T., Heckenroth, A., Jund, S., Lelièvre, S., Malaval, S., Moussard, S., Muller, I., Vécrin, M.P. (2016) REVER, the French restoration network. 6th European Conference on Ecological Restoration, Freising, Germany, 22nd-26th August 2016.

- [16] Alignan, J.F., Debras, J.F., **Jaunatre, R.**, Dutoit, T. (2016) Effects of ecological restoration on insect assemblages (Coleoptera – Orthoptera) in a Mediterranean steppe rangeland. 6th European Conference on Ecological Restoration, Freising, Germany, 22nd-26th August 2016.
- [15] Dutoit, T., Bourguet, P., Chenot, J., Buisson, E., **Jaunatre, R.** (2016) 10 years of relations between scientists and quarry operators: from constraint collaborations to a real win-win partnership for biodiversity. 6th European Conference on Ecological Restoration, Freising, Germany, 22nd-26th August 2016.
- [14] **Jaunatre, R.**, Alday, J.G. (2015) A methodological framework to characterize the dynamics of restored communities. 6th World Conference on Ecological Restoration, Manchester, UK, 23th-27th August 2015.
- [13] Buisson, E, le Stradic, S, Alvarado, S.T., **Jaunatre, R.**, Mahy, G. (2015) Species-rich anthropogenic grasslands and the problem of afforestation. 6th World Conference on Ecological Restoration, Manchester, UK, 23th-27th August 2015.
- [12] **Jaunatre, R.**, Müller, I., Coiffait-Gombault, C., Mesléard, F., Dutoit, T., Buisson, E. (2014) How do environmental conditions influence hay transfer for the restoration of two types of Mediterranean grasslands? 9th European Conference on Ecological Restoration, Oulu, Finland, 3rd-8th August 2014.
- [11] Mitchley, J., Jongepierová, I., Baasch, A., Buisson, E., Dutoit, T., Fajmon, K., **Jaunatre, R.**, Kirmer, A., Lengyel, S., Prach, K., Rehounková, K., Tischew, S., Török, P., Tóthmérész, B., Twiston-Davies, G. (2014) Landscape scale restoration: the salvation of European dry grassland biodiversity? 9th European Conference on Ecological Restoration, Oulu, Finland, 3rd-8th August 2014.
- [10] Gallet, S., **Jaunatre, R.**, Vécrin, MP., Buisson, E. (2014) The French restoration network REVER (Reseau d'Echanges et de Valorisation en Ecologie de la Restauration) 9th European Conference on Ecological Restoration, Oulu, Finland, 3rd-8th August 2014.
- [9] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2013) Insights provided by a large scale restoration project of a Mediterranean steppe plant community. SER Symposium, Münster, Germany, 26th-28th April 2013.
- [8] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2012) A new synthetic indicator to assess plant community restoration success. European Conference on Ecological Restoration, Čseké Budějovice, Czech Republic, 9th-14th September 2012.
- [7] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2012) Topsoil removal improves various restoration treatments of a dry Mediterranean grassland. European Conference on Ecological Restoration, Čseké Budějovice, Czech Republic, 9th-14th September 2012.
- [6] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2011) Restoring a Mediterranean steppe plant community by soil transfer: the success perception depends on the indicator used. Conservation Sciences in the Mediterranean Region, Tour du Valat, Arles, France, 8th-10th December 2011.
- [5] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2011) Impacts of a multi-treatment restoration Experiment on vegetation, soil and seed bank of a mediterranean steppe. 54th Symposium of International Association of Vegetation Science – IAVS, Lyon, France, 20th-24th June 2011. (First prize young scientist oral presentation)
- [4] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2011) Régénération expérimentale d'une communauté végétale steppique grâce à une opération de restauration écologique. 7th congress of plant community ecology – ECOVEG7, Lausanne, Swiss, 30th March – 1st April 2011. (First prize young scientist oral presentation)

- [3] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2010) Preliminary results of multi-treatments steppe restoration processes in La Crau (Provence, France). 7th Conference of the Society of Ecological Restoration, Avignon, France, 23rd-27th August 2010.
- [2] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2010) Is plant recolonisation after cultivation abandonment in a mediterranean steppe driven by landscape context or by old arable fields history ? 53th Symposium of International Association of Vegetation Science, Ensenada, Mexico, 18-23 April 2010.
- [1] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2009) Natural recolonisation and ecological restoration of La Crau steppe plant communities after cultivation abandonment. Society for Ecological Restoration Summer School, Münster, Germany, 29th June – 3rd July 2009.

National Oral Presentation

- [9] **Jaunatre, R.**, Fort, N., Evette, A., Buisson, M. (2016) La petite massette : état des lieux et perspectives de restauration. Rencontres Botaniques Alpines, Grenoble, 28th-29th April 2016.
- [8] **Jaunatre, R.**, Gaucherand, S., Guérold, F., Muller, S., Rey, F. (2016) ASPIRE : un cadre méthodologique pour l'Appréciation du Succès des Projets d'Ingénierie ou de Restauration Ecologiques, application à une opération de restauration de zone humide d'altitude. Colloque Réparer la Nature, L'exemple des Milieux Humides, Brest, 3rd-4th February 2016.
- [7] Chenot, J., Bourguet, P., **Jaunatre, R.**, Buisson, E., Dutoit, T. (2016) Faut-il restaurer les carrières sèches alluvionnaires abandonnées de la plaine de Crau ? 7th congress of the French Network on Ecological Restoration – REVER 7, Bordeaux, 19th-20th January 2016.
- [6] Cordonnier T., Courbaud, B., Lafond, V., Cécillon, L., Loucougaray, G., **Jaunatre, R.**, Rey, F. (2015) Des pratiques de gestion aux services écosystémiques : le cas des futaies irrégulières de montagne. INRA-ECOSERV Seminar, Paris, 9th June 2015.
- [5] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2013) L'étrépage de sol permet-il d'optimiser la restauration écologique d'une communauté végétale steppique méditerranéenne? 9th congress of plant community ecology - ECOVEG9, Tours, 3rd-5th April 2013.
- [4] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2012) Restaurer une communauté végétale : la mesure du succès dépend des indicateurs utilisés. 8th congress of plant community ecology – ECOVEG8, Nancy, France, 29th-31st March 2012.
- [3] Dutoit, T., Buisson, E., Fadda, S., Henry, F., Coiffait-Gombault, C., **Jaunatre, R.** (2011). Dix années de recherche dans la plaine de Crau : impacts des changements d'usage et restauration écologique. Colloque 10 ans de la Réserve naturelle des Coussoul de Crau – Bilan des connaissances acquises et perspectives pour la conservation de ce territoire. Saint-Martin de Crau, France, 24th-25th November 2011.
- [2] **Jaunatre, R.**, Dolidon, B., Buisson, E., Dutoit, T. (2010) Mener à bien un projet de restauration écologique : l'écologie de la restauration face à l'ingénierie écologique. 2nd congress of the French Network on Ecological Restoration – REVER 2, Brest, 28th-29th January 2010.
- [1] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2010) La recolonisation des communautés végétales après abandon des cultures dans la steppe de Crau (Bouches-du-Rhône, France) est déterminée à la fois par le contexte paysager et leur trajectoire agricole. 6^{ème} congress of plant community ecology – ECOVEG6, Rouen, France, 31st March-2nd April 2010.

Talks

- [7] **Jaunatre, R.** (2014) De l'importance des indicateurs en restauration et ingénierie écologique. INRA Agrocampus Rennes, France, 4th December 2014.
- [6] **Jaunatre, R.**, Buisson, E., Coiffait-Gombault, C., Henry, F., Fadda, S., Dutoit, T. (2013) Ten years of research in a Mediterranean pseudo-steppe: impacts of land-use changes and ecological restoration. Ouargla University, Algeria, 16th January 2013.
- [5] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2011) De l'écologie des communautés végétales à l'écologie de la restauration, exemple de la restauration d'un ancien verger en végétation steppique. Strasbourg University, France, 20th October 2011.
- [4] **Jaunatre, R.**, Coiffait-Gombault, C., Alignan, J.F., Buisson, E., Dutoit, T. (2010) Un projet de restauration écologique en faveur de la biodiversité dans la plaine de Crau, Tour du Valat, Arles, France, 6th December 2010.
- [3] **Jaunatre, R.**, Coiffait-Gombault, C., Alignan, J.F., Buisson, E., Dutoit, T. (2010) Un projet de restauration écologique en faveur de la biodiversité dans la plaine de Crau, Science Days, Avignon University, 23rd November 2010.
- [2] **Jaunatre, R.**, Buisson, E., Coiffait-Gombault, C., Dutoit, T. (2010) Ecological diagnostic and ecological restoration of a Mediterranean steppe. California State University of Channel Islands, Camarillo, USA, 14th April 2010.
- [1] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2010) Un projet de restauration écologique dans la plaine de Crau. Provence Linnean Society, Marseille, France, 24th March 2010.

International Conference Posters

- [11] **Jaunatre, R.**, Evette, A., Buisson, M., Dedonder, E., Popoff, N. (2017) Niche écologique de la petite massette (*Typha minima*) : implication pour la restauration de ses populations. 13th congress of plant community ecology – ECOVEG 13, 11th-13th september 2017, Québec, Canada.
- [10] Triqueneaux, M., Dommangeat, F., Evette, A., Jacob, F., Huygues, G., **Jaunatre, R.** (2017) Quel est le rôle de l'effet de priorité et de la densité des semis d'espèces indigènes sur l'invasibilité des communautés de berges remaniées ? 13th congress of plant community ecology – ECOVEG 13, 11th-13th september 2017, Québec, Canada.
- [9] Chenot, J., Aurière, A., Buisson, E., Dutoit, T., Bioret, F., **Jaunatre, R.** (2017) Les nouveaux écosystèmes créés par les activités humaines intensives sont-ils vraiment nouveaux ? 13th congress of plant community ecology – ECOVEG 13, 11th-13th september 2017, Québec, Canada.
- [8] **Jaunatre, R.**, Spiegelberger, T., Dommangeat, F., Bassignana, M. (2017) Using an integrated framework to assess multiple objective habitat restoration projects. 7^{ème} World Conference on Ecological Restoration, 28th august – 1st september 2017, Foz de Iguassu, Brazil.
- [7] **Jaunatre, R.**, Evette, A., Buisson, M. (2016) Transplantation experiment of an endangered pioneer species: the dwarf bulrush (*Typha minima* Hoppe). 6th European Conference on Ecological Restoration, Freising, Germany, 22nd-26th August 2016.
- [6] **Jaunatre, R.**, J. G. Alday (2014) The dynamics of restored communities: how to characterize them? 9th European Conference on Ecological Restoration, Oulu, Finland, 3rd-8th August 2014.
- [5] **Jaunatre, R.**, Rey, F. (2014) Temporal dynamics of restored communities in ecological engineering works. 9th European Conference on Ecological Restoration, Oulu, Finland, 3rd-8th August 2014.
- [4] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2012) A new synthetic indicator to assess plant community restoration success. 55th Symposium of International Association of

- Vegetation Science – IAVS, Mokpo, South Korea, 23rd-28th July 2012. (Second prize young scientist poster presentation)
- [3] Fonvieille, N., **Jaunatre, R.**, Buisson, E., Spiegelberger, T., Dutoit, T. (2011) Une approche intégrative pour mieux mesurer la résilience des communautés végétales. 7th congress of plant community ecology – ECOVEG7, Lausanne, Swiss, 30th March – 1st April 2011.
- [2] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2009) Quels sont les déterminants de la recolonisation des communautés végétales après abandon des cultures dans la plaine de Crau? 5th congress of plant community ecology – ECOVEG5, Gembloux, Belgium, 8th-10th April 2009.
- [1] **Jaunatre, R.**, Mench, M., Julien, F., Bes, C. (2007) Plant communities at a wood preservative treatment site and soil phytotoxicity. Nutrient biofortification and exclusion of pollutants in food plants, COST 859 Workshop, Sede-Boqer, Israël, 23rd-25th October 2007.

National Conference Posters

- [15] **Jaunatre, R.**, Evette, A., Buisson, M., Pinel, A., Popoff, N. (2017) Expérimentations de transplantation d'une espèce protégée sur les berges de l'Isère : la petite massette (*Typha minima* Hoppe). 8th congress of the French Network on Ecological Restoration – REVER 8, Arras, 8th-9th March 2017.
- [14] Alignan, J.F., Mazzia, C., Larivière, J., Cornic, J.F., **Jaunatre, R.**, Dutoit, T., Capowiez, Y. (2017) Effets de la restauration écologique sur les assemblages d'araignées en plaine de Crau (Bouches-du-Rhône, France). 8th congress of the French Network on Ecological Restoration – REVER 8, Arras, 8th-9th March 2017.
- [13] **Jaunatre, R.**, Muller, I., Buisson, E., Dommangeat, F. (2016) Utiliser les effets de priorité pour restaurer des communautés végétales : une question à creuser ? 12th congress of plant community ecology – ECOVEG 12, Brest, France, 26th-28th March 2016.
- [12] Chenot, J., **Jaunatre, R.**, Buisson, E., Dutoit, T. (2016) Effets sur le long terme du transfert de sol pour la réhabilitation de pelouses cèches méditerranéennes. 12th congress of plant community ecology – ECOVEG 12, Brest, France, 26th-28th March 2016.
- [11] Alignan, J.F., Debras, J.F., **Jaunatre, R.**, Dutoit, T. (2016) Effets de la restauration écologique sur des assemblages de coléoptères en plaine de Crau (Bouches-du-Rhône, France) 7th congress of the French Network on Ecological Restoration – REVER 7, Bordeaux, 19th-20th January 2016.
- [10] **Jaunatre, R.**, Gaucherand, S., Guérol, F., Muller, S., Rey, F. (2016) ASPIRE : un cadre méthodologique pour l'Appréciation du Succès des Projets d'Ingénierie ou de Restauration Ecologiques. 7th congress of the French Network on Ecological Restoration – REVER 7, Bordeaux, 19th-20th January 2016.
- [9] Barrand, C., Evette, A., **Jaunatre, R.**, Buisson, M., Geslin, M-L., Bourret, V., Martinelli, M. (2015) Les populations iséroises de petite massette (*Typha minima* Funck), suivis et perspectives de restauration. 11th congress of plant community ecology – ECOVEG 11, Grenoble, France, 25th-27th March 2015.
- [8] Buisson, E., Le Stradic, S., Alvarado, S.T., **Jaunatre, R.**, Mahy, G (2015) Problèmes liés à la reforestation des pelouses sèches semi-naturelles à forte diversité. 11th congress of plant community ecology – ECOVEG 11, Grenoble, France, 25th-27th March 2015.
- [7] Chenot, J., Buisson, E., **Jaunatre, R.**, Dutoit, T. (2015) Pourrait-on restaurer des pelouses sèches par pilotage de la succession primaire des fonds de carrières sèches ? Premier diagnostic en plaine de Crau. 6th congress of the French Network on Ecological Restoration, Strasbourg, France, 3-4th March 2015.

- [6] **Jaunatre, R.**, Becker, T., Becker, U., Demina, O., Dembicz, I., Ermakov, N., Filibeck, G., Frank, D., Guarino, R., Janišovák, M., Kosub, Ł., Polyakova, M., Suzuki, K., Dengler, J. (2014) Patrons de diversité des communautés végétales de steppes de Sibérie méridionale (République de Khakassie, Russie). 10th congress of plant community ecology – ECOVEG10, Lyon, France, 9th-11th April 2014.
- [5] **Jaunatre, R.**, Rey, F. (2014) Dynamique temporelle de communautés végétales d'ouvrages d'ingénierie écologique. 5th congress of the French Network on Ecological Restoration, Rouen, France, 5-6th February 2014.
- [4] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2013) Un nouvel indicateur pour évaluer la résilience ou le succès de la restauration d'une communauté. Seminary: Des ingénieries par et pour le vivant, écologiques et agro-écologiques, Montpellier, France, 19th December 2013.
- [3] **Jaunatre, R.**, Fonville, N., Buisson, E., Spiegelberger, T., Dutoit, T. (2012) Végétation, sol et mycorhizes sont-ils résilients à une perturbation majeure d'origine anthropique ? 8th congress of plant community ecology – ECOVEG8, Nancy, France, 29th-31st March 2012.
- [2] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2010/2011) Essais de restauration d'une communauté végétale steppique – Plaine de la Crau (Bouches-du-Rhône, France). Ecology 2010 French Congress, Montpellier, France, 2nd-4th September 2010 / 3rd congress of the French Network on Ecological Restoration, Metz, France, 3rd-4th February 2011.
- [1] **Jaunatre, R.**, Buisson, E., Dutoit, T. (2009) Le forçage des processus de dispersion permettra-t-il de restaurer la végétation steppique caractéristique de la plaine de Crau après réhabilitation d'un verger intensif ? 1st congress of the French Network on Ecological Restoration, Avignon, France, 14th-15th January 2009.

UNDERGRADUATE SUPERVISING

- 2018-2021** **Aure Durbecq** (PhD, Avignon University) Restoration of steppe grasslands in high Durance. (Co-advised with Elise Buisson and Armin Bischoff)
- 2015-2018** **Julie Chenot** (PhD, Avignon University) Should we restore abandoned quarries and how to achieve it? (Co-advised with Armin Bischoff and Elise Buisson)
- 2017** **Morgan Triqueneaux**, (M.Sc., Brest University) Can we use priority effect to reduce exotic invasive species abundance? (40% co-advised with Fanny Dommanget and André Evette)
- 2016** **Nadège Popoff**, (M.Sc., Marseille University) Ecological niche of dwarf bulrush (*Typha minima*) along the Isere River (French Alps) (75% co-advised with André Evette)
- 2016** **Anaëlle Pinel**, (M.Sc., Chambéry University) Dwarf bulrush (*Typha minima*) population restoration along the Isere River (French Alps) (25% co-advised with André Evette)
- 2015** **Julie Chenot** (M.Sc., Paris University) Should we restore abandoned quarries? A case study in La Crau steppe area (Provence) (25% co-advised with Thierry Dutoit and Elise Buisson)
- 2015** **Marion Martinelli** (M.Sc., Chambéry University) Distribution and ecological niche of dwarf bulrush (*Typha minima*) along the Isere River (French Alps) (75% co-advised with André Evette)
- 2015** **Vincent Bourret** (M.Sc., Lyon University) Dwarf bulrush (*Typha minima*) transplantation trials to restore its population along the Isere River (French Alps) (25% co-advised with André Evette)
- 2011** **Noëlle Fonvieille** (M.Sc., Marseille University) *Long-term impact of changes in land-use on mycorrhizal root colonization in a Mediterranean steppe plant community* (70% co-advised with Thierry Dutoit, Elise Buisson and Thomas Spiegelberger)
- 2010** **Jean-François Alignan** (M.Sc., Marseille University) *Impact of ecological rehabilitation and restoration of a Mediterranean steppe on its Orthoptera populations* (10% co-advised with Thierry Dutoit and Jean-François Debras)
- 2010** **Laurie Gariglio** and **Noëlle Fonvieille** (First year M.Sc., Marseille University) *Seed bank potential after rehabilitation works in a Mediterranean steppe plant community* (50% co-advised with Thierry Dutoit and Elise Buisson)
- 2010** **Alexandre Fuentes** (B.Sc., Marseille University) *Edge-effect on plant community recolonization in a large-scale restoration project* (90% co-advised with Thierry Dutoit and Elise Buisson)
- 2009** **Jennifer Matwyschuk** (M.Sc., Paris XII University) *Influence of landscape and historical factors on secondary succession plant community dynamics* (70% co-advised with Thierry Dutoit and Elise Buisson).