

MARINE BIOLOGIST, PhD

Address in Ecuador:
Puerto Villamil
Isla Isabela
Galapagos

Agnès Gelin
French nationality, married
9-VI immigrant visa for Ecuador
35 years old

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SKILLS

- *PhD in marine biology with 4 years experience in the Galapagos Islands, as a research coordinator in the topic of wetlands ecology.
- *Species biology (Fish and Crustaceans), life history traits, crustacean phenotypic plasticity.
- *Traditional fisheries analysis and monitoring; observers formation and supervision.
- *Scientific diver; Rescue Diver PADI and Level II (French Federation). First Aid formation.
- *Software use as Word, Excel, Access, Arcview, Statistica, Photoshop, Dreamwaver.
- *French, English, Spanish: reports and scientific papers writing in the three languages.

EDUCATION AND MAIN REALIZATIONS

2001 – 2005, Project Coordinator in the Galapagos Islands

- *Banco Interamericano de Desarrollo*
 - *Offshore fisheries as an alternative option for Isabela traditional fishermen (monitoring, analysis and socio-economic study).
- *Galapagos National Park*
 - *Ecology and biology of coastal lagoons Fish communities (RAMSAR area).
 - *Coastal lagoons traditional fisheries monitoring and analysis (CPUE, frequentation, impact on populations).
- *Charles Darwin Scientific Station*
 - *Knowledge and Conservation of Galapagos archipelago wetlands: biological characterization and functioning of coastal lagoon ecosystems.
 - *Impact study of Jessica oil spill on intertidal invertebrate communities.

1997 - 2000, PhD in Marine Environment Science - University of the Mediterranean, Marseille, Fr.
Biological Station Tour du Valat, Arles, Fr.

Ecology of Crustacean Decapod populations in the Camargue (Fr., Rhône delta): influence of salinity variations.

- *Specific distribution, growth, condition, reproductive strategies;
- *Aquarium experiments: role of salinity on crustacean reproduction (induction, fecundity) and existence of phenotypic plasticity of reproductive traits; study of ovarian development by histological cutting;
- *Genetic determination of the species *Palaemonetes varians* from the Camargue.

1995 - 1996, DEA Sciences de l'Environnement Marin - equivalent to a M.Sc. - University of the Mediterranean, Marseille, France.

1994 - 1995, Maîtrise Biologie des Organismes et des Populations (Option Ecologie) - 1 year University degree in Population Biology (specialization in Ecology) - University Bordeaux I, Fr.

1994 - 1995, Licence de Sciences Naturelles - 3 years University degree in General Biology - University Bordeaux I, Fr.

1994 - 2003, Participated to several scientific missions as a Field Biologist - Centre d'Océanologie de Marseille; GIS Posidonie, Campus de Luminy, Marseille, Fr.

*Field data acquisition in Marine Biology, by scuba diving: mapping of *Caulerpa taxifolia* colonization, *Posidonia oceanica* beds cover (cartography, density), fish census, etc.

*Otolithometry.

*Fish larvae collect and analysis (determination of species and abundance).

MISCELLANEOUS

-Language skills: good knowledge of English and Spanish; German basic.

-Trips: Germany, USA, New Caledonia, French Polynesia, Malta, Egypt, Tunisia, Italy, Switzerland, Monaco, Austria, Luxembourg, Portugal, London, Czech Republic, Hungary, Slovakia, Mexico, Spain, Ecuador, Peru, Bolivia.

-Scuba diving: Divemaster (Fédération française), Rescue Diver (PADI).

-Ice skating (competition, coaching, judging); enjoy singing, dancing, and windsurfing.

-Car driving license.

SCIENTIFIC PUBLICATIONS / REPORTS

GELIN A. & C. SOUTY-GROSSET, 2006. Species identification and ecological study of the genus *Palaemonetes* (Decapoda: Caridea) in the French Mediterranean. *Journal of Crustacean Biology*, 26(2): 124-133.

GELIN A. & V.GRAVEZ, 2004. Southern Isabela Island coastal lagoons. A biological study. Galapagos National Park, 47pp.

GRAVEZ V., **GELIN A.**, ZURITA L. & E. ENCALADA, 2004. Contribución al conocimiento de la laguna de Las Diablas (Isabela, Galápagos) por su manejo (cartografía, profundidad y parámetros físico-químicos). Basler Stiftung für Biologische Forschung and Galapagos National Park, 22 pp.

GELIN A., V.GRAVEZ & G. EDGAR, 2003. Assessment of *Jessica* oil spill impacts on inter-tidal invertebrate communities. *Marine Pollution Bulletin*, 46 : 1377-1384.

GELIN A. & V.GRAVEZ, 2003. Lagunas costeras. *En: Línea Base de la Biodiversidad de la Reserva Marina de las Islas Galápagos*. Charles Darwin Foundation publ., Ecuador, 474 pp.

GELIN A., V. GRAVEZ & G. EDGAR, 2002. Impacto del derrame del *Jessica* en las comunidades de invertebrados intermareales. *In: Impactos biológicos del derrame del Jessica en los ambientes de Galápagos*. Charles Darwin Foundation publ., Ecuador: 10-12.

GELIN A. & V.GRAVEZ, 2002. Knowledge and conservation of the Galapagos Islands coastal lagoons. Basler Stiftung für Biologische Forschung, Charles Darwin Scientific Station and Galapagos National Park, 94 pp.

GELIN A., 2001. Ecologie des populations de Crustacés Décapodes de Camargue : influence des variations de salinité. Thèse de 3^{ème} cycle, Université de la Méditerranée, Marseille, France, 192 pp +88 pp Annexes.

GELIN A., CRIVELLI A.J., ROSECCHI E. & P. KERAMBRUN, 2001. Can salinity changes affect reproductive success in the brown shrimp *Crangon crangon* (L.)? *Journal of Crustacean Biology*, 21(4) : 905-911.

GELIN A., CRIVELLI A.J., ROSECCHI E. & P. KERAMBRUN, 2001. The effect of salinity changes on the population structure and reproductive traits of *Crangon crangon* L. populations in the Camargue (France, Rhône delta). *Ecoscience*, 8(1) : 8-17.

GELIN A., CRIVELLI A.J., ROSECCHI E. & P. KERAMBRUN, 2000. Is the brown shrimp *Crangon crangon* (L.) population of the Vaccarès lagoon (France, Rhone delta), an annual population ? *Comptes Rendus de l'Académie des Sciences*, 323 : 1-8.

GELIN A., ARIGONI S., FRANCOUR P., HARMELIN J.G. & M. HARMELIN-VIVIEN, 1998. Réponse des populations de certains poissons Serranidae et Labridae à la colonisation des fonds par *Caulerpa taxifolia* en Méditerranée. *In : Third International Workshop on Caulerpa taxifolia*. Boudouresque F., Gravez V., Meinesz A. & F. Palluy (editors). GIS Posidonie publ., France, 197-208.

FRANCOUR P., **GELIN A.**, HARMELIN-VIVIEN M., HARMELIN J.G. & S. ARIGONI, 1998. Impact de l'algue verte introduite *Caulerpa taxifolia* sur la biodiversité des peuplements de poissons en Méditerranée Nord-Occidentale. DIREN PACA. Centre d'Océanologie de Marseille & GIS Posidonie publ., Marseille, France, 34 pp.

GELIN A., 1996. Influence de la colonisation du littoral méditerranéen par *Caulerpa taxifolia* sur les populations de quelques espèces de poissons (Labridae et Serranidae) et sur la croissance de *Symphodus ocellatus* (Forskaal, 1775). DEA Sciences de l'Environnement marin, Univ. Aix-Marseille II, Fr. : 40 pp.

GRAVEZ V., BONHOMME P., ROY D., BERNARD G., CHARBONNEL E. & **A. GELIN**, 1996. Surveillance de l'herbier de posidonies de la baie du Prado (Marseille, Bouches du Rhône). 2^{ème} phase – suivi 1996. Direction Générale des Grands Travaux de la Ville de Marseille. GIS Posidonie publ., Marseille, France, 56 pp.