



SONIA MARTA GARCIA GIMENEZ

Generado desde: Universitat de Barcelona

Date of document: 29/01/2015

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SONIA MARTA GARCIA GIMENEZ

Surname(s): **GARCIA GIMENEZ**
Name: **SONIA MARTA**
Spanish ID number: **44020511Y**
Date of birth: **29/05/1977**
Sex: **Woman**
Land line phone: **934024490 -**
Email address: **soniagarcia@ub.edu**

Current professional situation only if working (not if unemployed)

Name of the entity: Universitat de Barcelona

Department, Service,...: Facultat de Farmàcia, Productes Naturals, Biologia Vegetal i Edafologia

Category / Title of position or responsibility: Investigador del programa Juan de la Cierva

Start date: 15/12/2012

Type of dedication: Full time

Main specialisation (UNESCO code): 241700 - Plant Biology (Botany)

Secondary (UNESCO code): 241502 - Molecular biology of plants

Tertiary (UNESCO code): 240702 - Cell genetics

Current professional activity: My present professional occupation is 80-85% research-based, devoted to the study of ribosomal DNA organisation and its mode of evolution, the evolution of genome size and the role of transposable elements in plant genomes, through the use of molecular biology tools. The remaining 15-20% of time is dedicated to teaching duties as well as training students and visitor scientists in laboratory procedures related to their research projects.

Positions held before current job

	Name of the entity	Category / position or responsibility	Start date
1	Universitat de Barcelona	Post-Doctoral 'Beatriu de Pinós' Mod. B researcher	01/11/2011
2	Universitat de Barcelona	Associate Professor	11/02/2011
3	Institut Botànic de Barcelona - CSIC	Post-Doctoral 'JAE Doc' Researcher	16/03/2008
4	Universitat de Barcelona	PhD fellow - Beca de Formació de Profesorado Universitario (FPU) Ministerio de Educación y Ciencia	01/02/2004
5	Farmàcia Barangé (Barcelona)	Pharmacist	15/04/2002
6	Farmàcia Barangé (Barcelona)	Pharmacy assistant	12/05/2001

1 Name of the entity: Universitat de Barcelona

Category / position or responsibility: Post-Doctoral 'Beatriu de Pinós' Mod. B researcher

Start date: 01/11/2011

Duration: 1 year - 1 month - 15 days



- 2** **Name of the entity:** Universitat de Barcelona
Category / position or responsibility: Associate Professor
Start date: 11/02/2011 **Duration:** 7 months - 4 days
- 3** **Name of the entity:** Institut Botànic de Barcelona - CSIC
Category / position or responsibility: Post-Doctoral 'JAE Doc' Researcher
Start date: 16/03/2008 **Duration:** 3 years - 3 months - 29 days
- 4** **Name of the entity:** Universitat de Barcelona
Category / position or responsibility: PhD fellow - Beca de Formación de Profesorado Universitario (FPU) Ministerio de Educación y Ciencia
Start date: 01/02/2004 **Duration:** 4 years
- 5** **Name of the entity:** Farmàcia Barangé (Barcelona)
Category / position or responsibility: Pharmacist
Start date: 15/04/2002 **Duration:** 1 year - 9 months - 17 days
- 6** **Name of the entity:** Farmàcia Barangé (Barcelona)
Category / position or responsibility: Pharmacy assistant
Start date: 12/05/2001 **Duration:** 11 months - 3 days



Training received

University education

Diplomas, degrees and engineering degrees

- Official University Qualification:** Official Master
Name of qualification: Experimental Master in Pharmaceutical Sciences
Entity issuing the qualification: Faculty of Pharmacy
Date of qualification: 30/09/2003
- Official University Qualification:** Diploma / Degree / Activities
Name of qualification: Pharmacy
Entity issuing the qualification: Universitat de Barcelona
Date of qualification: 11/07/2002

Doctorates

Doctorate: Pharmacy
University issuing the title: Universitat de Barcelona
Date of qualification: 30/07/2007

Other postgraduate university training

- Type of Training:** Postgraduate
Postgraduate qualification: Basics on R language
University: Universitat de Barcelona
Date of qualification: 09/2014
Type of body: University
- Type of Training:** Postgraduate
Postgraduate qualification: DNA phylogenies and genealogies: reconstruction and applications. 4th edition. CERTFEM (Faculty of Biology, University of Barcelona).
University: Universitat de Barcelona
Date of qualification: 07/2006
Type of body: University

Language skills

Language	Speech	Reading	Writing
Catalan	Good	Good	Good
Spanish	Good	Good	Good
English	Good	Good	Good
French	Sufficient	Good	Sufficient



Teaching experience

Teaching work

- 1** **Type of teaching:** Official teaching
Name of subject/ name of course: Experimentació al Laboratori
Type of programme: Bachelor's degree **Type of teaching:** In person theory
Type of subject: Core
Title: Ciencia y Tecnología de los Alimentos(1)
Course of the qualification taught: 1
Date of the last time: 01/2015 **Hours/credits:** Credits
Number of hours/credits: 6
Body where project took place: Universitat de Barcelona
City: Barcelona, Catalonia Autonomous city, Spain
Language in which the subject is taught: Catalan
- 2** **Type of teaching:** Official teaching
Name of subject/ name of course: Experimentació al Laboratori
Type of programme: Bachelor's degree **Type of teaching:** In person theory
Type of subject: Core
Title: Nutrición Humana y Dietética(1)
Course of the qualification taught: 1
Date of the last time: 01/2015 **Hours/credits:** Credits
Number of hours/credits: 6
Body where project took place: Universitat de Barcelona
City: Barcelona, Catalonia Autonomous city, Spain
Language in which the subject is taught: Catalan
- 3** **Type of teaching:** Official teaching
Name of subject/ name of course: Experimentació al Laboratori
Type of programme: Bachelor's degree **Type of teaching:** Laboratory work
Type of subject: Core
Title: Nutrición Humana y Dietética(1)
Course of the qualification taught: 1
Date of the last time: 01/2015 **Hours/credits:** Credits
Number of hours/credits: 6
Body where project took place: Universitat de Barcelona
City: Barcelona, Catalonia Autonomous city, Spain
Language in which the subject is taught: Catalan
- 4** **Type of teaching:** Official teaching
Name of subject/ name of course: Experimentació al Laboratori
Type of programme: Bachelor's degree **Type of teaching:** Laboratory work
Type of subject: Core
Title: Ciencia y Tecnología de los Alimentos(1)
Course of the qualification taught: 1
Date of the last time: 01/2015 **Hours/credits:** Credits

**Number of hours/credits:** 6**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**Language in which the subject is taught:** Catalan**5 Type of teaching:** Unofficial teaching**Name of subject/ name of course:** Popular Science: 'Guided visit: Christmas plants in the Sta. Llúcia fair'**Type of programme:** Courses and Seminars - Taught**Date of the last time:** 12/2014**Body where project took place:** Centre Cívic Vil·la Florida**6 Type of teaching:** Official teaching**Name of subject/ name of course:** Botànica Farmacèutica**Type of programme:** Bachelor's degree**Type of teaching:** Laboratory work**Type of subject:** Obligatory**Title:** Farmacia**Area of the programme:** National**Course of the qualification taught:** 1**Date of the last time:** 06/2014**Hours/credits:** Credits**Number of hours/credits:** 6**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**Language in which the subject is taught:** Catalan**7 Type of teaching:** Official teaching**Name of subject/ name of course:** Biosistemàtica de Plantes amb Llavor**Type of programme:** Master's degree**Type of teaching:** In person theory**Type of subject:** Obligatory**Title:** Biodiversidad**Course of the qualification taught:** 1**Date of the last time:** 06/2014**Hours/credits:** Credits**Number of hours/credits:** 3**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**Language in which the subject is taught:** Catalan**8 Type of teaching:** Official teaching**Name of subject/ name of course:** Biosistemàtica de Plantes amb Llavor**Type of programme:** Master's degree**Type of teaching:** Field Trip**Type of subject:** Obligatory**Title:** Biodiversidad**Course of the qualification taught:** 1**Date of the last time:** 06/2014**Hours/credits:** Credits**Number of hours/credits:** 3**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**Language in which the subject is taught:** Catalan**9 Type of teaching:** Official teaching**Name of subject/ name of course:** Experimentació al Laboratori**Type of programme:** Bachelor's degree**Type of teaching:** Laboratory work



Type of subject: Core

Title: Ciencia y Tecnología de los Alimentos(1)

Course of the qualification taught: 1

Date of the last time: 01/2014

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

Language in which the subject is taught: Catalan

10 Type of teaching: Official teaching

Name of subject/ name of course: Experimentació al Laboratori

Type of programme: Bachelor's degree

Type of teaching: In person theory

Type of subject: Core

Title: Ciencia y Tecnología de los Alimentos(1)

Course of the qualification taught: 1

Date of the last time: 01/2014

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

Language in which the subject is taught: Catalan

11 Type of teaching: Official teaching

Name of subject/ name of course: Experimentació al Laboratori

Type of programme: Bachelor's degree

Type of teaching: Laboratory work

Type of subject: Core

Title: Nutrición Humana y Dietética(1)

Course of the qualification taught: 1

Date of the last time: 01/2014

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

Language in which the subject is taught: Catalan

12 Type of teaching: Official teaching

Name of subject/ name of course: Experimentació al Laboratori

Type of programme: Bachelor's degree

Type of teaching: In person theory

Type of subject: Core

Title: Nutrición Humana y Dietética(1)

Course of the qualification taught: 1

Date of the last time: 01/2014

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

Language in which the subject is taught: Catalan

13 Type of teaching: Official teaching

Name of subject/ name of course: Botànica Farmacèutica

Type of programme: Bachelor's degree

Type of teaching: In person theory

Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

**Course of the qualification taught:** 1**Date of the last time:** 06/2013**Hours/credits:** Credits**Number of hours/credits:** 6**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**14** **Type of teaching:** Official teaching**Name of subject/ name of course:** Biosistemàtica de Plantes amb Llabor**Type of programme:** Master's degree**Type of teaching:** In person theory**Type of subject:** Obligatory**Title:** Biodiversidad**Course of the qualification taught:** 1**Date of the last time:** 06/2013**Hours/credits:** Credits**Number of hours/credits:** 3**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**Language in which the subject is taught:** English**15** **Type of teaching:** Official teaching**Name of subject/ name of course:** Biosistemàtica de Plantes amb Llabor**Type of programme:** Master's degree**Type of teaching:** Field Trip**Type of subject:** Obligatory**Title:** Biodiversidad**Course of the qualification taught:** 1**Date of the last time:** 06/2013**Hours/credits:** Credits**Number of hours/credits:** 3**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**Language in which the subject is taught:** English**16** **Type of teaching:** Unofficial teaching**Name of subject/ name of course:** Popular Science: 'Botanical guided visit: Collserola forest in the autumn'**Type of programme:** Courses and Seminars - Taught**Date of the last time:** 10/2012**Body where project took place:** Centre Cívic Vil·la Florida**17** **Type of teaching:** Official teaching**Name of subject/ name of course:** Mètodes i Tècniques en Biosistemàtica Vegetal**Type of programme:** Master's degree**Type of teaching:** In person theory**Type of subject:** Obligatory**Title:** Biodiversidad**Course of the qualification taught:** 1**Date of the last time:** 06/2012**Hours/credits:** Credits**Number of hours/credits:** 3**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**Language in which the subject is taught:** Catalan**18** **Type of teaching:** Official teaching**Name of subject/ name of course:** Botànica Farmacèutica**Type of programme:** Bachelor's degree**Type of teaching:** Laboratory work



Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

Course of the qualification taught: 1

Date of the last time: 06/2012

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

Language in which the subject is taught: Catalan

19 Type of teaching: Unofficial teaching

Name of subject/ name of course: Popular Science: 'Guided visit: medicinal plants at the monks' homegarden of the Pedralbes Monastery'

Type of programme: Courses and Seminars - Taught

Date of the last time: 05/2012

Body where project took place: Centre Cívic Vil·la Florida

20 Type of teaching: Unofficial teaching

Name of subject/ name of course: Popular Science: 'Botanical guided visit: Listed heritage trees of the Sarrià-Sant Gervasi district'

Type of programme: Courses and Seminars - Taught

Date of the last time: 04/2012

Body where project took place: Centre Cívic Vil·la Florida

21 Type of teaching: Official teaching

Name of subject/ name of course: Botànica Farmacèutica

Type of programme: Bachelor's degree

Type of teaching: Laboratory work

Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

Course of the qualification taught: 1

Date of the last time: 06/2011

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

22 Type of teaching: Official teaching

Name of subject/ name of course: Botànica Farmacèutica

Type of programme: Bachelor's degree

Type of teaching: Laboratory work

Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

Course of the qualification taught: 1

Date of the last time: 06/2011

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

23 Type of teaching: Official teaching

Name of subject/ name of course: Botànica Farmacèutica

Type of programme: Bachelor's degree

Type of teaching: Laboratory work



Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

Course of the qualification taught: 1

Date of the last time: 06/2011

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

24 Type of teaching: Official teaching

Name of subject/ name of course: Botànica Farmacèutica

Type of programme: Bachelor's degree

Type of teaching: Laboratory work

Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

Course of the qualification taught: 1

Date of the last time: 06/2011

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

25 Type of teaching: Official teaching

Name of subject/ name of course: Botànica Farmacèutica

Type of programme: Bachelor's degree

Type of teaching: Laboratory work

Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

Course of the qualification taught: 1

Date of the last time: 06/2011

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

26 Type of teaching: Official teaching

Name of subject/ name of course: Botànica Farmacèutica

Type of programme: Bachelor's degree

Type of teaching: Laboratory work

Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

Course of the qualification taught: 1

Date of the last time: 06/2011

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

27 Type of teaching: Official teaching

Name of subject/ name of course: Botànica Farmacèutica

Type of programme: Bachelor's degree

Type of teaching: Laboratory work

Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

**Course of the qualification taught: 1****Date of the last time:** 06/2011**Hours/credits:** Credits**Number of hours/credits:** 6**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**28 Type of teaching:** Official teaching**Name of subject/ name of course:** Botànica Farmacèutica**Type of programme:** Bachelor's degree**Type of teaching:** In person theory**Type of subject:** Obligatory**Title:** Farmacia**Area of the programme:** National**Course of the qualification taught:** 1**Date of the last time:** 06/2011**Hours/credits:** Credits**Number of hours/credits:** 6**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**Language in which the subject is taught:** Catalan**29 Type of teaching:** Official teaching**Name of subject/ name of course:** Botànica Econòmica**Type of programme:** Master's degree**Type of teaching:** In person theory**Type of subject:** Optional**Title:** Biodiversidad**Area of the programme:** National**Date of the last time:** 02/2008**Hours/credits:** Credits**Number of hours/credits:** 2,5**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**Language in which the subject is taught:** Catalan**30 Type of teaching:** Official teaching**Name of subject/ name of course:** Botànica Farmacèutica**Type of programme:** Bachelor's degree**Type of teaching:** Field Trip**Type of subject:** Obligatory**Title:** Farmacia**Area of the programme:** National**Course of the qualification taught:** 1**Date of the last time:** 06/2007**Hours/credits:** Credits**Number of hours/credits:** 6**Body where project took place:** Universitat de Barcelona**City:** Barcelona, Catalonia Autonomous city, Spain**Language in which the subject is taught:** Catalan**31 Type of teaching:** Official teaching**Name of subject/ name of course:** Botànica Farmacèutica**Type of programme:** Bachelor's degree**Type of teaching:** Field Trip**Type of subject:** Obligatory**Title:** Farmacia**Area of the programme:** National**Course of the qualification taught:** 1



Date of the last time: 06/2007

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

Language in which the subject is taught: Catalan

32 Type of teaching: Official teaching

Name of subject/ name of course: Botànica Farmacèutica

Type of programme: Bachelor's degree

Type of teaching: Laboratory work

Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

Course of the qualification taught: 1

Date of the last time: 06/2007

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

Language in which the subject is taught: Catalan

33 Type of teaching: Official teaching

Name of subject/ name of course: Botànica Farmacèutica

Type of programme: Bachelor's degree

Type of teaching: Laboratory work

Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

Course of the qualification taught: 1

Date of the last time: 06/2007

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

Language in which the subject is taught: Catalan

34 Type of teaching: Official teaching

Name of subject/ name of course: Botànica Farmacèutica

Type of programme: Bachelor's degree

Type of teaching: Laboratory work

Type of subject: Obligatory

Title: Farmacia

Area of the programme: National

Course of the qualification taught: 1

Date of the last time: 06/2006

Hours/credits: Credits

Number of hours/credits: 6

Body where project took place: Universitat de Barcelona

City: Barcelona, Catalonia Autonomous city, Spain

Language in which the subject is taught: Catalan

Directing of doctoral theses or final projects

- 1** **Title of: DT, ECP, ASD:** Study of the organisation of ribosomal DNA in gymnosperms (genera Ephedra, Cupressus and Sequoia)
Type of project: Degree work
Doctorate student: Paula Cortés Sánchez
Date of reading: 2014
- 2** **Title of: DT, ECP, ASD:** Study of the organisation of ribosomal DNA in gymnosperms (genera Cryptomeria, Podocarpus and Taxus)
Type of project: Degree work
University: Universitat de Barcelona
Doctorate student: Xènia Fernàndez Sala
Date of reading: 2014
- 3** **Title of: DT, ECP, ASD:** Matricaria chamomilla and its relationship with some Tripleurospermum species: first steps to apply cytogenetic techniques for assessing specimen misidentifications
Type of project: Master's Thesis
University: Universitat de Barcelona
Doctorate student: Fatima Badan
Mark: Excellent
Date of reading: 2013
- 4** **Title of: DT, ECP, ASD:** Physical mapping of GC rich DNA and rRNA genes in diploid and polyploid Calligonum species (Polygonaceae)
Type of project: Research work
Doctorate student: Hassen Gouja
Date of reading: 2013
- 5** **Title of: DT, ECP, ASD:** Polyploidy shaping Tanacetum's diversity in Iran: chromosome number, rDNA organization and genome size
Type of project: Research work
Doctorate student: Nayyereh Olanj
Date of reading: 2012
- 6** **Title of: DT, ECP, ASD:** New data on genome size in Asteraceae species
Type of project: Research work
Doctorate student: Ivana Jakovljevic
Date of reading: 2011
- 7** **Title of: DT, ECP, ASD:** Genome size study in aquatic plants families
Type of project: Research work
Doctorate student: Aysun Patterson
Date of reading: 2011
- 8** **Title of: DT, ECP, ASD:** Cytogenetic characterisation of Artemisia absinthium (Asteraceae, Anthemideae) and its Polish endemic var. calcigena.
Type of project: Research work
Doctorate student: Kamil Konowalik



Date of reading: 2008

Creation of teaching materials

- 1 Name of the teaching materials:** Experimentation in the Laboratory. Practice book.
Date of creation: 2014
- 2 Name of the teaching materials:** Experimentation in the Laboratory. Practice book.
Date of creation: 2013
- 3 Name of the teaching materials:** Pharmaceutical Botany. Practice book. Educational materials, number 279.
Date of creation: 2012

Other activities / credits not included in the above list

- 1 Description of the activity:** Academic and management tasks of the teaching at the Food and Nutrition Torribera Campus of the University of Barcelona
Activity end date: 01/2014
- 2 Description of the activity:** Delegate of the Botany section at the greenhouse commission of the Faculty of Pharmacy of the University of Barcelona
Activity end date: 10/2013
- 3 Description of the activity:** Member of the PhD commission of the Master in Biodiversity of the University of Barcelona
Activity end date: 09/2013

Experience in Science and Technology

Scientific or technological activity

Participation in R&D&I projects funded in competitive tenders by public or private bodies

- 1 Name of the project:** Estada a Academy of Sciences of the Czech Republic
Body where project took place: Universitat de Barcelona
Head(s) researcher(s): Sonia Marta Garcia Gimenez
Number of participating researchers: 1
Funding body or bodies: Agència de Gestió d'Ajuts Universitaris i de Recerca. Generalitat de Catalunya. AGAUR
Code according to the funding body: 2012BE100994
Start date: 2013
Total amount: 2.754



- 2** **Name of the project:** Is the 5S ribosomal RNA gene, essential part of the ribosomes, an ancient retrotransposon? First approach in plants (Collaborative project CSIC- Academy of Sciences of the Czech Republic)
Body where project took place: Consejo Superior de Investigaciones Científicas (CSIC)
Head(s) researcher(s): Teresa Garnatje Roca
Number of participating researchers: 4
Funding body or bodies: Dirección General de Política Científica y Técnica
Code according to the funding body: BFU2011-14035-E
Start date: 2013
Total amount: 9.000
- 3** **Name of the project:** Models of evolution in small and large rDNA clusters. Examples in L-type & S-type seed plants.
Body where project took place: Academy of Sciences of the Czech Republic
Head(s) researcher(s): Ales Kovarik
Number of participating researchers: 2
Funding body or bodies: European Molecular Biology Organization
Code according to the funding body: ASTF 439 - 2013
Start date: 2013
Total amount: 2.249,85
- 4** **Name of the project:** Structure, expression and evolution of ribosomal RNA genes in plant genomes: new approaches to old questions
Body where project took place: Academy of Sciences of the Czech Republic
Head(s) researcher(s): Ales Kovarik
Funding body or bodies: Czech Science Foundation
Code according to the funding body: 13-10057S
Start date: 2013
Total amount: 138.000
- 5** **Name of the project:** Expression of 5 S rRNA genes linked to 35 S rDNA in plants, their epigenetic modification and regulatory element divergence
Body where project took place: Academy of Sciences of the Czech Republic
Head(s) researcher(s): Ales Kovarik
Number of participating researchers: 2
Funding body or bodies: European Molecular Biology Organization
Code according to the funding body: ASTF 300-2011
Start date: 2012
Total amount: 2.302
- 6** **Name of the project:** Ajut postdoctoral dins del Programa Beatriu de Pinós (BP), Modalitat B. 2010
Body where project took place: Universitat de Barcelona
Head(s) researcher(s): Joan Valles Xirau
Number of participating researchers: 2
Funding body or bodies: Agència de Gestió d'Ajuts Universitaris i de Recerca. Generalitat de Catalunya. AGAUR
Code according to the funding body: 2010BP-B 00191
Start date: 2011
Total amount: 74.527,88



- 7** **Name of the project:** Subvenció per a la contractació d'investigadors dins del Programa Juan de la Cierva.
Body where project took place: Universitat de Barcelona
Head(s) researcher(s): Joan Valles Xirau
Number of participating researchers: 2
Funding body or bodies: Ministerio de Ciencia e Innovación
Code according to the funding body: JCI-2011-10124
Start date: 2011
Total amount: 96.000
- 8** **Name of the project:** Biosystematic studies in the Asteraceae, VI: cytogenetic and molecular approach to radiation phenomena and insularity in groups of genera Cheirolophus, Echinops, Rhaponticum (Cardueae) and Artemisia (Anthemideae).
Body where project took place: Universitat de Barcelona
Head(s) researcher(s): Maria Teresa Garnatje Roca
Number of participating researchers: 5
Funding body or bodies: Ministerio de Ciencia e Innovación
Code according to the funding body: CGL2010-22234-C02/BOS
Start date: 2010
Total amount: 140.360
- 9** **Name of the project:** Genome reunions in plants: from DNA to chromosomes and reverse
Body where project took place: Academy of Sciences of the Czech Republic
Head(s) researcher(s): Ales Kovarik
Funding body or bodies: Czech Science Foundation
Code according to the funding body: P501-10-0208
Start date: 2010
Total amount: 110.000
- 10** **Name of the project:** Biodiversitat i biosistemàtica vegetals
Body where project took place: Universitat de Barcelona
Head(s) researcher(s): Joan Valles Xirau
Number of participating researchers: 45
Funding body or bodies: Agència de Gestió d'Ajuts Universitaris i de Recerca. Generalitat de Catalunya. AGAUR
Code according to the funding body: 2009SGR439
Start date: 2009
Total amount: 58.240
- 11** **Name of the project:** Estudios citogenéticos, palinológicos y biológico-moleculares en las Asteraceae, V: género Cheirolophus (Cardueae) y subgéneros de Artemisia (Anthemideae)
Body where project took place: Universitat de Barcelona
Head(s) researcher(s): Joan Valles Xirau
Number of participating researchers: 2
Funding body or bodies: Ministerio de Educación y Ciencia
Code according to the funding body: CGL2007-64839-C02-02/BOS
Start date: 2007
Total amount: 40.000
- 12** **Name of the project:** Biodiversitat i biosistemàtica vegetals
Body where project took place: Universitat de Barcelona
Head(s) researcher(s): Julian Molero Briones



Number of participating researchers: 23

Funding body or bodies: Departament d'Universitats, Recerca i Societat de la Informació (Generalitat de Catalunya) DURSI

Code according to the funding body: 2005SGR00344

Start date: 2005

Total amount: 46.600

13 Name of the project: Estudios citogenéticos, palinológicos y biológico-moleculares en las Asteraceae III: las subtribus Artemisiinae, Carduinae y Echinopsidinae. (subproyecto 1)

Body where project took place: Universitat de Barcelona

Head(s) researcher(s): Joan Valles Xirau

Funding body or bodies: Dirección General de Ciencia y Tecnología. DGCYT

Code according to the funding body: BOS2001-3041-C02-01

Start date: 2002

Total amount: 23.950,33

Participation in R&D&I contracts, agreements or projects, not the result of competitive bidding, with companies (or internally in them) and/or governments

Name of the project: Actualització i millora del projecte 'Banc de dades de biodiversitat de Catalunya'

Your role in the project: Researcher

Body where project took place: Universitat de Barcelona

Head researcher: Francisco J. Font Castell

Number of participating researchers: 24

Funding body: Departament de Medi Ambient i Habitatge de la Generalitat de Catalunya

Code according to the funding body: 304997

Start date: 2008

Total amount: 128.925,37

Scientific Activities and General Techniques

Scientific production

Publications, Scientific and Technical Documents and any other publication

- 1** Hidalgo, O.; Garcia, S.; Garnatje, T.; Mumbrú, M.; Patterson, A.; Vigo, L.; Vallès, J. Genome size in aquatic and wetland plants: fitting with the large genome constraint hypothesis with a few relevant exceptions. 908251 - Plant Systematics and Evolution. (Austria): Springer Verlag, 2015. ISSN 0378-2697

Type of production: Article

Type of platform: Journal

- 2** Garcia, S.; Leitch, I.J.; Anadon-Rosell, A.; Canela, M.A.; Gálvez, F.; Garnatje, T.; Gras, A.; Hidalgo, O.; Johnston, E.; Mas de Xaxars, G.; Pellicer, J.; Siljak-Yakovlev, S.; Vallès, J.; Viales, D.; Bennett, M.D. Recent updates and developments to plant genome size databases. 900341 - Nucleic Acids Research. 42, pp. 1159 - 1166. (United Kingdom): Oxford University Press, 2014. ISSN 0305-1048

Type of production: Article

Type of platform: Journal

Index measuring impact: 8.278

Impact measuring agency: ISI

- 3** Garcia, S.; Gálvez, F.; Gras, A.; Kovařík, A.; Garnatje, T. Plant rDNA database: update and new features. 916961 - Database: The Journal of Biological Databases and Curation. 2014 - bau063, (United Kingdom): Oxford University Press, 2014. Available online at: <doi: 10.1093/database/bau063>. ISSN 1758-0463
Type of production: Article **Type of platform:** Journal
Index measuring impact: 4.457 **Impact measuring agency:** Thomson-Reuters
- 4** Gouja, H.; Garnatje, T.; Hidalgo, O.; Neffati, M.; Raies, A.; Garcia, S. Physical mapping of ribosomal DNA and genome size in diploid and polyploid North African Calligonum species (Polygonaceae). 908251 - Plant Systematics and Evolution. In press, pp. 1 - 11. (Austria): Springer Verlag, 2014. Available online at: <DOI 10.1007/s00606-014-1183-9>. ISSN 0378-2697
Type of production: Article **Type of platform:** Journal
Index measuring impact: 1.154 **Impact measuring agency:** Thomson-Reuters
- 5** Vallès J.; Canela, M.A.; Garcia, S.; Hidalgo, O.; Pellicer, J.; Sánchez-Jiménez, I.; Siljak-Yakovlev, S.; Viales, D.; Garnatje, T. Genome size variation and evolution in the family Asteraceae. 901607 - Caryologia International Journal of Cytology, Cytosystematics and Cytogenetics. 66 - 3, pp. 221 - 235. (Italy): Taylor and Francis, 2013. Available online at: <10.1080/00087114.2013.829690>. ISSN 0008-7114
Type of production: Article **Type of platform:** Journal
Index measuring impact: 0.632 **Impact measuring agency:** ISI
- 6** Pellicer, J.; Garcia, S.; Vallès, J.; Kondo, K.; Garnatje, T. FISH mapping of 35S and 5S rRNA genes in Artemisia subgenus Dracunculus (Asteraceae): changes in loci number during polyploid evolution and its systematic implications. 900495 - Botanical Journal of the Linnean Society. 171, pp. 655 - 666. (United Kingdom): Wiley, 2013. Available online at: <10.1111/boj.12001>. ISSN 0024-4074
Type of production: Article **Type of platform:** Journal
Index measuring impact: 1.931 **Impact measuring agency:** ISI
- 7** Garcia, S.; Kovarik, A. Dancing together and separate again: gymnosperms exhibit frequent changes of fundamental 5S and 35S rRNA gene (rDNA) organisation. 901632 - Heredity. 111, pp. 23 - 33. (United Kingdom): The Genetics Society, 2013. Available online at: <10.1038/hdy.2013.11>. ISSN 0018-067X
Type of production: Article **Type of platform:** Journal
Index measuring impact: 4.597 **Impact measuring agency:** ISI
- 8** Garcia, S.; Hidalgo, O.; Jakovljevic, I.; Siljak-Yakovlev, S.; Vigo, J.; Garnatje, T.; Vallès, J. New data on genome size in 128 Asteraceae species and subspecies, with first assessments for 39 genera, three tribes and two subfamilies. 912832 - Plant Biosystems - An International Journal Dealing with all Aspects of Plant Biology. 147 - 4, pp. 1219 - 1227. (Italy): Taylor and Francis, 2013. ISSN 1126-3504
Type of production: Article **Type of platform:** Journal
Index measuring impact: 1.912 **Impact measuring agency:** ISI
- 9** Garcia, S.; Garnatje, T.; Kovarik, A. Plant rDNA database: ribosomal DNA loci information goes online. 901608 - Chromosoma. 121, pp. 389 - 394. (Germany): Springer Verlag, 2012. Available online at: <10.1007/s00412-012-0368-7>. ISSN 0009-5915
Type of production: Article **Type of platform:** Journal
Index measuring impact: 3.34 **Impact measuring agency:** ISI
- 10** Garnatje, T.; Hidalgo, O.; Viales, D.; Pellicer, J.; Vallès, J.; Robin, O.; Garcia, S.; Siljak-Yakovlev, S. Swarm of terminal 35S in Cheirolophus (Asteraceae, Centaureinae). 900991 - Genome. 55, pp. 529 - 535. (Canada): NRC Research Press, 2012. Available online at: <10.1139/g2012-041>. ISSN 0831-2796
Type of production: Article **Type of platform:** Journal
Index measuring impact: 1.668 **Impact measuring agency:** ISI

- 11** Garcia, S.; Crhak-Khaitová, L.; Kovarik, A. Expression and epigenetic modification of 5S rRNA genes linked to the 35S rDNA unit in plants. 913601 - BMC Plant Biology. 12, pp. 95. (United Kingdom): BioMed Central, 2012. Available online at: <10.1186/1471-2229-12-95>. ISSN 1471-2229
Type of production: Article **Type of platform:** Journal
Index measuring impact: 4.354 **Impact measuring agency:** ISI
- 12** Vallès, J.; Pellicer, J.; Sánchez-Jiménez, I.; Hidalgo, O.; Vitales, D.; Garcia, S.; Martín, J.; Garnatje, T. Polyploidy and other changes at chromosomal level and in genome size. Its role in systematics and evolution exemplified in some Anthemideae and Cardueae genera (Asteraceae). 900559 - Taxon. 61, pp. 841 - 851. (Holland): International Bureau for Plant Taxonomy and Nomenclature., 2012. Available online at: <http://www.ingentaconnect.com/content/iapt/tax/2012/00000061/00000004/art00009#expand/collapse>. ISSN 0040-0262
Type of production: Review **Type of platform:** Journal
Index measuring impact: 2.364 **Impact measuring agency:** ISI
- 13** Garcia, S. L. "ADN ribosómico al género Artemisia (familia de las Compositas). 214505 - La Bolla. 26, pp. 10 - 11. 2012. ISSN 0000-0000
Type of production: Article **Type of platform:** Journal
- 14** Garcia, S., McArthur, E.D.; Pellicer, J.; Sanderson, S.C.; Vallès, J.; Garnatje, T. A molecular phylogenetic approach to Western North America endemic Artemisia and allies (Asteraceae): untangling the sagebrushes. 900481 - American Journal of Botany. 98, pp. 638 - 653. (United States of America): Botanical Society of America, Inc., 2011. Available online at: <10.3732/ajb.1000386>. ISSN 0002-9122
Type of production: Article **Type of platform:** Journal
Index measuring impact: 2.660 **Impact measuring agency:** ISI
- 15** Garcia, S.; Garnatje, T.; McArthur, E.D.; Pellicer, J.; Sanderson, S.C.; Vallès, J. Taxonomic and nomenclatural rearrangements in Artemisia subgen. Tridentatae including a redefinition of Sphaeromeria (Asteraceae, Anthemideae). 910780 - Western North American Naturalist. 71, pp. 158 - 163. (United States of America): 2011. Available online at: <https://ojs.lib.byu.edu/spc/index.php/wnan/article/view/27332/25795>. ISSN 1527-0904
Type of production: Article **Type of platform:** Journal
Index measuring impact: 0.400 **Impact measuring agency:** ISI
- 16** Garnatje, T.; Canela, M.A.; Garcia, S.; Hidalgo, O.; Pellicer, J.; Sánchez-Jiménez, I.; Siljak-Yakovlev, S.; Vitales, D.; Vallès, J. GSAD: a genome size database in the Asteraceae. 912703 - Cytometry Part A. 79, pp. 401 - 404. (United States of America): 2011. Available online at: <10.1002/cyto.a.21056>. ISSN 1552-4922
Type of production: Article **Type of platform:** Journal
Index measuring impact: 3.730 **Impact measuring agency:** ISI
- 17** Vallès, J.; Garcia, S.; Hidalgo, O.; Martín, J.; Pellicer, J.; Sanz, M.; Garnatje, T. Biology, genome evolution, biotechnological issues, and research including applied perspectives in Artemisia (Asteraceae). 900479 - Advances in Botanical Research. 60, pp. 349 - 419. (United States of America): Elsevier, 2011. Available online at: <10.1016/B978-0-12-385851-1.00015-9>. ISSN 0065-2296
Type of production: Review **Type of platform:** Journal
Index measuring impact: 2.860 **Impact measuring agency:** ISI
- 18** Pellicer, J.; Estiarte, M.; Garcia, S.; Garnatje, T.; Peñuelas, J.; Sardans, J.; Vallès, J. Genome size unaffected by moderate changes in climate and phosphorus availability in Mediterranean plants. 913559 - African Journal of Biotechnology. 9, pp. 6070 - 6077. (Kenya): 2010. Available online at: <http://digital.csic.es/bitstream/10261/56503/1/2010%20AfrJBiotec.pdf>. ISSN 1684-5315
Type of production: Article **Type of platform:** Journal
Index measuring impact: 0.573 **Impact measuring agency:** ISI



- 19** Garcia, S.; Panero, J.L.; Siroky, J.; Kovarik, A. Repeated reunions and splits feature the highly dynamic evolution of 5S and 35S ribosomal RNA genes (rDNA) in the Asteraceae family. 913601 - BMC Plant Biology. 10, pp. 176. (United Kingdom): BioMed Central, 2010. Available online at: <10.1186/1471-2229-10-176>. ISSN 1471-2229
Type of production: Article **Type of platform:** Journal
Index measuring impact: 4.085 **Impact measuring agency:** ISI
- 20** Hidalgo, O.; Mathez, J.; Garcia, S.; Garnatje, T.; Pellicer, J.; Valles, J. Genome size study in the Valerianaceae: first results and new hypotheses. 211607 - Journal of Botany. 2019, (United States of America): Hindawi Publishing Corporation, 2010. Available online at: <10.1155/2010/797246>.
Type of production: Article **Type of platform:** Journal
- 21** Garcia S.; Garnatje, T.; Hidalgo, O.; Mas de Xaxars, G.; Pellicer, J.; Sánchez-Jiménez, I.; Vitales, D.; Valles, J. First genome size estimations for some eudicot families and genera. 001348 - Collectanea Botanica. 29, pp. 7 - 16. (Spain): Consejo Superior de Investigaciones Científicas (CSIC), 2010. Available online at: <10.3989/collectbot.2010.v29.001>. ISSN 0010-0730
Type of production: Article **Type of platform:** Journal
- 22** Garcia S.; Lim, K.Y.; Chester, M.; Garnatje, T.; Pellicer, J.; Vallès, J.; Leitch, A.R.; Kovarik, A. Linkage of 35S and 5S rRNA genes in Artemisia (family Asteraceae): first evidence from angiosperms. 901608 - Chromosoma. 118, pp. 85 - 97. (Germany): Springer Verlag, 2009. Available online at: <10.1007/s00412-008-0179-z>. ISSN 0009-5915
Type of production: Article **Type of platform:** Journal
Index measuring impact: 4.979 **Impact measuring agency:** ISI
- 23** Sánchez-Jiménez, I.; Pellicer, J.; Hidalgo, O.; Garcia, S.; Garnatje, T.; Vallès, J. Chromosome numbers in three Asteraceae tribes from Inner Mongolia (China), with genome size data for Cardueae. 909896 - Folia Geobotanica. 44, pp. 307 - 322. (Czech Republic): Springer Verlag, 2009. Available online at: <10.1007/s12224-009-9043-z>. ISSN 1211-9520
Type of production: Article **Type of platform:** Journal
Index measuring impact: 1.320 **Impact measuring agency:** ISI
- 24** Rigat, M.; Bonet, M.A.; Garcia, S.; Garnatje, T.; Vallès, J. Ethnobotany of food plants in the high river Ter valley (Pyrenees, Catalonia, Iberian Peninsula). Non-crop food vascular plants and crop food plants with medicinal properties. 902722 - Ecology of Food and Nutrition. 48, pp. 303 - 326. (United Kingdom): Taylor and Francis, 2009. Available online at: <10.1080/03670240903022320>. ISSN 0367-0244
Type of production: Article **Type of platform:** Journal
Index measuring impact: 0.184 **Impact measuring agency:** ISI
- 25** Pellicer J.; Garcia, S.; Garnatje, T.; Vallès, J. Changes in genome size in a fragmented distribution area: the case of Artemisia crithmifolia L. (Asteraceae, Anthemideae). 901607 - Caryologia International Journal of Cytology, Cytosystematics and Cytogenetics. 62, pp. 152 - 160. (Italy): Taylor and Francis, 2009. Available online at: <http://www1.unifi.it/caryologia/past_volumes/62_2/1556.pdf>. ISSN 0008-7114
Type of production: Article **Type of platform:** Journal
Index measuring impact: 0.450 **Impact measuring agency:** ISI
- 26** Pellicer J.; Hidalgo, O.; Garcia, S.; Garnatje, T.; Martín, J.; Vallès, J. Palynological study of Ajania and related genera (Asteraceae, Anthemideae). 900495 - Botanical Journal of the Linnean Society. 161, pp. 171 - 189. (United Kingdom): Wiley, 2009. Available online at: <10.1111/j.1095-8339.2009.00998.x>. ISSN 0024-4074
Type of production: Article **Type of platform:** Journal
Index measuring impact: 0.984 **Impact measuring agency:** ISI

- 27** Garcia, S.; Garnatje, T.; McArthur, E.D.; Pellicer, J.; Siljak-Yakovlev, S.; Vallès, J. Ribosomal DNA, heterochromatin, and correlation with genome size in diploid and polyploid North American endemic sagebrushes (*Artemisia*, Asteraceae). 900991 - Genome. 52, pp. 1012 - 1024. (Canada): NRC Research Press, 2009. Available online at: <10.1139/G09-077>. ISSN 0831-2796
Type of production: Article **Type of platform:** Journal
Index measuring impact: 1.709 **Impact measuring agency:** ISI
- 28** Pellicer, J.; Garcia, S.; Canela, M.A.; Garnatje, T.; Korobkov, A.A.; Twibell, J.D.; Vallès, J. Genome size dynamics in *Artemisia* L. (Asteraceae): following the track of polyploidy. 910482 - Plant Biology. 12, pp. 820 - 830. (Germany): Wiley, 2009. Available online at: <10.1111/j.1438-8677.2009.00268.x>. ISSN 1435-8603
Type of production: Article **Type of platform:** Journal
Index measuring impact: 2.223 **Impact measuring agency:** ISI
- 29** Konowalik, K.; Garcia, S.; Pellicer, J.; Krietschitz, A.; Vallès, J. Cytogenetic characterisation of *Artemisia absinthium* (Asteraceae, Anthemideae) and its Polish endemic var. *calcigena*. 900482 - Annales Botanici Fennici. 47, pp. 477 - 488. (Finland): 2009. ISSN 0003-3847
Type of production: Article **Type of platform:** Journal
Index measuring impact: 0.692 **Impact measuring agency:** ISI
- 30** Garnatje, T.; Garcia, S.; Hidalgo, O.; Pellicer, J.; Sánchez-Jiménez, I.; Vallès, J. *Cheirolophus intybaceus* (Asteraceae, Centaureinae) o la constància del valor 2C. 001348 - Collectanea Botanica. 28, pp. 7 - 17. (Spain): Consejo Superior de Investigaciones Científicas (CSIC), 2009. Available online at: <10.3989/collectbot.2008.v28.001>. ISSN 0010-0730
Type of production: Article **Type of platform:** Journal
- 31** Martín J.; Garcia, S.; Garcia-Jacas, N.; Garnatje, T.; Hidalgo, O.; Pellicer, J.; Susanna, A.; Vallès, J.; Vilatersana, R. Études palynologiques sur des plantes méditerranéennes: vision d'ensemble et études concrètes sur les Astéracées. 006008 - Bocconeia. 23, pp. 79 - 83. (Italy): 2009. ISSN 1120-4060
Type of production: Article **Type of platform:** Journal
- 32** Garcia, S.; Canela, M.A.; Garnatje, T.; McArthur, E.D.; Pellicer, J.; Sanderson, S.C.; Vallès, J. Evolutionary and ecological implications of genome size in the North American endemic sagebrushes (*Artemisia*, subgenus *Tridentatae*). 900375 - Biological Journal of the Linnean Society. 94, pp. 631 - 649. (United Kingdom): Wiley, 2008. Available online at: <DOI:10.1111/j.1095-8312.2008.01001.x>. ISSN 0024-4066
Type of production: Article **Type of platform:** Journal
Index measuring impact: 2.019 **Impact measuring agency:** ISI
- 33** Pellicer J.; Garcia, S.; Garnatje, T.; Hidalgo, O.; Siljak-Yakovlev, S.; Vallès, J. Molecular cytogenetic characterization of some representatives of the subgenera *Artemisia* and *Absinthium* (genus *Artemisia*, Asteraceae). 001348 - Collectanea Botanica. 27, pp. 19 - 27. (Spain): Consejo Superior de Investigaciones Científicas (CSIC), 2008. Available online at: <10.3989/collectbot.2008.v27.2>. ISSN 0010-0730
Type of production: Article **Type of platform:** Journal
- 34** Pellicer, J.; Garcia, S.; Garnatje, T.; Hidalgo, O.; Korobkov, A.A.; Dariimaa, S.S.; Vallès, J. Chromosome counts in Asian *Artemisia* L. (Asteraceae) species: from diploids to the first report of the highest polyploid in the genus. 900495 - Botanical Journal of the Linnean Society. 153, pp. 301 - 310. (United Kingdom): Wiley, 2007. Available online at: <10.1111/j.1095-8339.2007.00611.x>. ISSN 0024-4074
Type of production: Article **Type of platform:** Journal
Index measuring impact: 1.075 **Impact measuring agency:** ISI
- 35** Garcia S.; Garnatje, T.; Hidalgo, O.; McArthur, E.D.; Siljak-Yakovlev, S.; Vallès, J. Extensive ribosomal DNA (18S-5.8S-26S and 5S) colocalization in the North American endemic sagebrushes (*Tridentatae*, *Artemisia*) revealed by FISH. 908251 - Plant Systematics and Evolution. 267, pp. 79 - 92. (Austria): Springer Verlag, 2007. Available online at: <10.1007%2Fs00606-007-0558-6>. ISSN 0378-2697



Type of production: Article
Index measuring impact: 1.492

Type of platform: Journal
Impact measuring agency: ISI

- 36** Rigat, M.; Bonet, M.A.; Garcia, S.; Garnatje, T.; Vallès, J. Studies on pharmaceutical ethnobotany in the high river Ter valley (Pyrenees, Catalonia, Iberian Peninsula). 908298 - Journal of Ethnopharmacology. 113, pp. 267 - 277. (Switzerland): University College London, Faculty of Mathematical and Physical Sciences, Department of Mathematics, 2007. Available online at: <10.1016/j.jep.2007.06.004>. ISSN 0378-8741

Type of production: Article
Index measuring impact: 2.049

Type of platform: Journal
Impact measuring agency: ISI

- 37** Pellicer, J.; Garcia, S.; Garnatje, T.; Korobkov, A.A.; Dariimaa, S.S.; Vallès, J. Chromosome numbers in some *Artemisia* (Asteraceae, Anthemideae) species and genome size variation in its subgenus *Dracunculus*: karyological, systematic and phylogenetic implications. 206858 - Chromosome Botany. 2, pp. 45 - 53. (Japan): 2007. Available online at: <10.3199/isb.2.45>.

Type of production: Article

Type of platform: Journal

- 38** Garnatje T.; Garcia, S.; Hidalgo, O.; Pellicer, J.; Vallès, J. Genome size in Asteraceae: state-of-art and perspectives. 208382 - The Nucleus. 50, pp. 427 - 438. (India): 2007.

Type of production: Review

Type of platform: Journal

- 39** Garcia, S. New applications in flow cytometry. (United Kingdom): 2007. Available online at: <<http://www.ibms.org/go/media/the-biomedical-scientist/archive>>.

Type of production: Others

- 40** Garnatje, T.; Garcia, S.; Vilatersana, R.; Vallès, J. Genome size variation in the genus *Carthamus* L. (Asteraceae, Cardueae): systematic implications and additive changes during allopolyploidization in hybrid taxa. 900484 - Annals of Botany. 97, pp. 461 - 467. (United Kingdom): No longer published by Elsevier, 2006. Available online at: <10.1093/aob/mcj050>. ISSN 0305-7364

Type of production: Article
Index measuring impact: 2.448

Type of platform: Journal
Impact measuring agency: ISI

- 41** Garcia, S.; Garnatje, T.; Twibell, J.; Vallès, J. Genome size variation in the *Artemisia arborescens* complex (Asteraceae, Anthemideae) and its cultivars. 900991 - Genome. 49, pp. 244 - 253. (Canada): NRC Research Press, 2006. Available online at: <10.1139/g05-105>. ISSN 0831-2796

Type of production: Article
Index measuring impact: 1.972

Type of platform: Journal
Impact measuring agency: ISI

- 42** Garcia, S.; Garnatje, T.; Darimaa, S.; Tsooj, S.; Vallès, J. New or rarely reported chromosome numbers in taxa of subtribe Artemisiinae (Anthemideae, Asteraceae) from Mongolia. 900495 - Botanical Journal of the Linnean Society. 150, pp. 203 - 210. (United Kingdom): Wiley, 2006. Available online at: <10.1111/j.1095-8339.2006.00465.x>. ISSN 0024-4074

Type of production: Article
Index measuring impact: 0.805

Type of platform: Journal
Impact measuring agency: ISI

- 43** Garnatje, T.; Garcia, S.; Canela, M.A. Genome size variation from a phylogenetic perspective in the genus *Cheirolophus* Cass.: biogeographic implications. 908251 - Plant Systematics and Evolution. 264, pp. 117 - 134. (Austria): Springer Verlag, 2006. Available online at: <10.1007/s00606-006-0489-7>. ISSN 0378-2697

Type of production: Article
Index measuring impact: 1.239

Type of platform: Journal
Impact measuring agency: ISI

- 44** Vallès, J.; Garnatje, T.; Garcia, S.; Sanz, M.; Korobkov, A.A. Chromosome numbers in the tribes Anthemideae and Inuleae (Asteraceae). 900495 - Botanical Journal of the Linnean Society. 148, pp. 78 - 85. (United Kingdom): Wiley, 2005. Available online at: <DOI: 10.1111/j.1095-8339.2005.00390.x>. ISSN 0024-4074



Type of production: Article
Index measuring impact: 1.462

Type of platform: Journal
Impact measuring agency: ISI

- 45** Garcia, S.; Inceer, H.; Garnatje, T.; Vallès, J. Genome size variation in some representatives of the genus *Tripleurospermum*. 908305 - *Biologia Plantarum*. 49, pp. 381 - 387. (Czech Republic): Springer Verlag, 2005. Available online at: <10.1007/s10535-005-0011-z>. ISSN 0006-3134

Type of production: Article
Index measuring impact: 0.792

Type of platform: Journal
Impact measuring agency: ISI

- 46** Garnatje, T.; Vallès, J.; Garcia, S.; Hidalgo, O.; Sanz, M.; Canela, M.A.; Siljak-Yakovlev, S. Genome size in *Echinops* L. and related genera (Asteraceae, Cardueae): karyological, ecological and phylogenetic implications. 900964 - *Biology of the Cell*. 96, pp. 117 - 124. (France): Wiley, 2004. Available online at: <http://dx.doi.org/10.1016/j.biolcel.2003.11.005>. ISSN 0248-4900

Type of production: Article
Index measuring impact: 2.233

Type of platform: Journal
Impact measuring agency: ISI

- 47** Garcia, S.; Sanz, M.; Garnatje, T.; Kreitschitz, A.; McArthur, E.D.; Vallès, J. Variation of DNA amount in 47 populations of the subtribe Artemisiinae and related taxa (Asteraceae, Anthemideae): karyological, ecological, and systematic implications. 900991 - *Genome*. 47, pp. 1004 - 1014. (Canada): NRC Research Press, 2004. Available online at: <10.1139/g04-061>. ISSN 0831-2796

Type of production: Article
Index measuring impact: 2.100

Type of platform: Journal
Impact measuring agency: ISI

- 48** Vallès, J.; Torrell, M.; Martín, J.; Sanz, M.; Garcia, S.; Garnatje, T.; Garcia-Jacas, N.; Vilatersana, R.; Susanna, A. Phylogeny of subtribe Artemisiinae (Asteraceae, Anthemideae) based on the sequences of nuclear ribosomal DNA internal transcribed spacers (ITS); relationships with cytogenetic and palynological data. 215913 - *Compositae Newsletter*. 40, pp. 37 - 38. 2003. ISSN 0284-8422

Type of production: Article

Type of platform: Journal

Work presented in conferences at the national or international level

- 1** **Title:** Introduction to the animal database of ribosomal DNA loci

Name of the conference: Meeting on Evolutionary Biology

Type of event: Conference

Your role: Poster

City of the publishing body: Marseille, France

Date of the event: 2014

Jana Sochorová; Sonia Garcia; Ale# Kova#ík.

- 2** **Title:** Polyploidy shaping *Tanacetum*'s diversity in Iran: chromosome number, rDNA loci and genome size.

Name of the conference: XIV OPTIMA Meeting (Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area)

Type of event: Conference

Your role: Invited speaker

City of the publishing body: Palermo, Italy

Date of the event: 2013

Garcia, S.; Olanj, N.; Garnatje, T.; Hidalgo O.; Martín, J.; Pellicer, J.; Sonboli, A.; Vallès, J. "Book of abstracts".



- 3** **Title:** Two updates on cytogenetic databases: Genome size in the Asteraceae (GSAD) and Plant rDNA
Name of the conference: XIV OPTIMA Meeting (Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area)
Type of event: Conference
Your role: Invited speaker
City of the publishing body: Palermo, Italy
Date of the event: 2013
Garnatje, T.; Garcia, S.; Gálvez, F.; Gras, A.; Hidalgo, O.; Pellicer, J.; Siljak-Yakovlev, S.; Vallès, J.; Viales, D."Book of abstracts".
- 4** **Title:** Asymmetrical speciation patterns among Mediterranean and Macaronesian Cheirolophus (Asteraceae)
Name of the conference: XIV OPTIMA Meeting (Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area)
Type of event: Conference
Your role: Invited speaker
City of the publishing body: Palermo, Italy
Date of the event: 2013
Viales, D.; García-Fernández, A.; Vallès, J.; Pellicer, J.; Garcia, S.; Hidalgo, O.; Martín, J.; Garnatje, T."Book of abstracts".
- 5** **Title:** Evolution and homogenization of ribosomal DNA loci in plant genomes
Name of the conference: Gatersleben Research Conference
Type of event: Conference
Your role: Invited speaker
City of the publishing body: Gatersleben, Germany
Date of the event: 2012
Kovarík, A.; Garcia, S.; Leitch, A.
- 6** **Title:** Two new plant cytogenetic online resources: the GSAD and Plant rDNA databases
Name of the conference: Global Questions on Advanced Biology - IEC
Type of event: Conference
Your role: Speaker
City of the publishing body: Barcelona, Spain
Date of the event: 2012
Garcia, S.; Garnatje, T.; Canela, M.A.; García, A.; Hidalgo, O.; Kovarik, A.; Mas de Xaxars, G.; Pellicer, J.; Siljak-Yakovlev, S.; Viales, D.; Vallès, J."Book of abstracts".
- 7** **Title:** Plant rDNA database: ribosomal DNA loci data including other karyological and cytogenetic information in plants
Name of the conference: 9th SFBV meeting (9ème Colloque de la Société Française de Biologie Végétale)
Type of event: Conference
Your role: Speaker
City of the publishing body: Clermont-Ferrand, France
Date of the event: 2011
Garcia, S.; Garnatje, T.; Kovarik, A."Book of abstracts".
- 8** **Title:** Expression and epigenetic modification of 5S rRNA genes linked to the 35S rDNA unit in plants
Name of the conference: 9th SFBV meeting (9ème Colloque de la Société Française de Biologie Végétale)
Type of event: Conference
Your role: Speaker
City of the publishing body: Clermont-Ferrand, France



Date of the event: 2011

Kovarík, A.; García, S. "Book of abstracts".

- 9** **Title:** Integració de dades per a l'estudi de la disjunció Pirineu-Montseny del grup de *Saxifraga geranioides* (Saxifragaceae).

Name of the conference: XI Jornada de Biologia Evolutiva

Type of event: Conference

Your role: Speaker

City of the publishing body: Barcelona, Spain

Date of the event: 2011

Mas de Xaxars, G.; Barnola, P.; García, S.; Garnatje, T.; Hidalgo, O.; Martín, J.; Mercadé, A.; Pellicer, J.; Sánchez-Jiménez, I.; Vallès, J.; Vargas, P.; Viales, D.; Vigo, J. "Book of abstracts".

- 10** **Title:** Molecular phylogenetic and cytogenetic insights to genera with Mediterranean and Irano-Turanian taxa. Case studies in the Asteraceae

Name of the conference: XIII OPTIMA Meeting (Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area)

Type of event: Conference

Your role: Invited speaker

City of the publishing body: Antalya, Turkey

Date of the event: 2010

Vallès, J.; Pellicer, J.; Sánchez-Jiménez, I.; Hidalgo, O.; Garnatje, T.; Viales, D.; García, S.; Martín, J. "Book of abstracts".

- 11** **Title:** La colonització de la Macaronèsia: evidències moleculars d'especiació i diversificació ràpides al gènere *Cheirolophus* (Asteraceae, Cardueae)

Name of the conference: X Jornada de Biologia Evolutiva

Type of event: Conference

Your role: Speaker

City of the publishing body: Barcelona, Spain

Date of the event: 2010

Viales, D.; Sánchez-Jiménez, I.; Hidalgo, O.; García, S.; Pellicer, J.; Martín, J.; Vallès, J.; Garnatje, T. "Book of abstracts".

- 12** **Title:** Polyploidy and other changes at chromosomal level and in genome size. Its role in systematics and evolution exemplified in some genera of Asteraceae

Name of the conference: XIth IOPB (International Organization of Plant Biosystematics) Conference

Type of event: Conference

Your role: Invited speaker

City of the publishing body: Auranbagad, India

Date of the event: 2010

Vallès, J.; Pellicer, J.; Sánchez-Jiménez, I.; Hidalgo, O.; Garnatje, T.; Viales, D.; García, S.; Martín, J. "Book of abstracts".

- 13** **Title:** Ribosomal RNA genes evolution and organisation in family Asteraceae

Name of the conference: International Conference on Polyploidy, Hybridization and Biodiversity (ICPHB 2009)

Type of event: Conference

Your role: Poster

City of the publishing body: Saint Malo, France

Date of the event: 2009

García, S.; Garnatje, T.; Panero, J.; Siroky, J.; Vallès, J.; Kovarik, A. "Book of abstracts".

- 14** **Title:** Evolució i organització dels gens de l'RNA ribosòmic a la família de les asteràcies
Name of the conference: IX Jornada de Biologia Evolutiva
Type of event: Conference
Your role: Speaker
City of the publishing body: Barcelona, Spain
Date of the event: 2009
Garcia, S.; Garnatje, T.; Hidalgo, O.; Pellicer, J.; Sánchez-Jiménez, I.; Vallès, J.; Kovarik, A. "Book of abstracts".
- 15** **Title:** Unusual 45S-5S units of ribosomal rRNA loci in the sunflower family (Asteraceae): the case of Artemisia
Name of the conference: Réunion du groupe Cytogénétique-Polyploidie
Type of event: Conference
Your role: Speaker
City of the publishing body: Angers, France
Date of the event: 2008
Garcia, S.; Lim, K.Y.; Chester, M.; Garnatje, T.; Pellicer, J.; Vallès, J.; Leitch, A.R.; Kovarik, A.
- 16** **Title:** Evolutionary studies in a group of high mountain Artemisia: molecular cytogenetic, phylogenetic and genome size data
Name of the conference: IXth IOPB (International Organisation of Plant Biosystematists) Meeting
Type of event: Conference
Your role: Speaker
City of the publishing body: Vysoké Tatry Mts., Slovakia
Date of the event: 2008
Garcia, S.; Garnatje, T.; Hidalgo, O.; Pellicer, J.; Siljak-Yakovlev, S.; Vallès, J.
- 17** **Title:** Genome size in the Asteraceae: first steps to a database
Name of the conference: Plant genome horizons - vistas and visions
Type of event: Conference
Your role: Poster
City of the publishing body: Kew, United Kingdom
Date of the event: 2007
Garcia, S.; Pellicer, J.; Hidalgo, O.; Siljak-Yakovlev, S.; Vallès, J.; Garnatje, T. "Book of abstracts".
- 18** **Title:** Evidences of hybridization events within the genus Rhaponticum (Asteraceae, Cardueae): a cytogenetic approach
Name of the conference: Réunion du groupe Cytogénétique-Polyploidie
Type of event: Conference
Your role: Poster
City of the publishing body: Clermont-Ferrand, France
Date of the event: 2007
Hidalgo, O.; Garcia, S.; Garnatje, T.; Pellicer, J.; Robin, O.; Srisuwan, S.; Vallès, J.; Siljak-Yakovlev, S.
- 19** **Title:** Linkage of nuclear 45S and 5S rDNA in the sunflower family (Asteraceae) revealed by in situ hybridization, PCR and Southern blot
Name of the conference: XVI International Chromosome Conference
Type of event: Conference
Your role: Poster
City of the publishing body: Amsterdam, Holland



Date of the event: 2007

Garcia, S.; Chester, M.; Garnatje, T.; Kovarik, A.; Leitch, A.R.; Lim, K.Y.; Pellicer, J.; Vallès, J. "Chromosome Research. Vol. 15 (Suppl. 2) 2007. P.080".

20 Title: Genome size evolution and molecular cytogenetic studies in an ancient group of orophytic *Artemisia* (Asteraceae)

Name of the conference: XII OPTIMA Meeting (Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area)

Type of event: Conference

Your role: Poster

City of the publishing body: Pisa, Italy

Date of the event: 2007

Garcia, S.; Pellicer, J.; Garnatje, T.; Hidalgo, O.; Vallès, J.; Siljak-Yakovlev, S. "Book of abstracts".

21 Title: Is there an upper limit to genome size increase in *Artemisia* (Asteraceae)?

Name of the conference: Plant genome horizons - vistas and visions

Type of event: Conference

Your role: Poster

City of the publishing body: Kew, United Kingdom

Date of the event: 2007

Pellicer, J.; Canela, M.A.; Dariimaa, Sh.; Garcia, S.; Garnatje, T.; Hidalgo, O.; Korobkov, A.A.; Vallès, J. "Book of abstracts".

22 Title: Evolution of genome size in *Rhaponticum* (Asteraceae, Cardueae): is the speciation process responsible for a decrease of DNA amount?

Name of the conference: Plant genome horizons - vistas and visions

Type of event: Conference

Your role: Poster

City of the publishing body: Kew, United Kingdom

Date of the event: 2007

Hidalgo, O.; Canela, M.A.; Garcia, S.; Garnatje, T.; Pellicer, J.; Vallès, J. "Book of abstracts".

23 Title: Organización del genoma e implicaciones sistemáticas y evolutivas en *Artemisia umbelliformis* (Asteraceae) y especies afines

Name of the conference: VIII Coloquio Internacional de Botánica Pirenaico-Cantábrica

Type of event: Conference

Your role: Poster

City of the publishing body: León, Spain

Date of the event: 2007

Garcia, S.; Pellicer, J.; Garnatje, T.; Hidalgo, O.; Vallès, J.; Siljak-Yakovlev, S. "http://www3.unileon.es/dp/dbv/CBPC2007/pdf_comunicaciones.htm".

24 Title: Variació de la quantitat de DNA en Valerianàcies

Name of the conference: VI Jornada de Biologia Evolutiva

Type of event: Conference

Your role: Speaker

City of the publishing body: Barcelona, Spain

Date of the event: 2007

Hidalgo, O.; Garcia, S.; Pellicer, J.; Garnatje, T.; Vallès, J.; Siljak-Yakovlev, S. "Book of abstracts".



- 25** **Title:** Molecular cytogenetic approach to some representatives of the subgenera *Artemisia* and *Absinthium* (genus *Artemisia*, Asteraceae)
Name of the conference: XVI International Chromosome Conference
Type of event: Conference
Your role: Poster
City of the publishing body: Amsterdam, Holland
Date of the event: 2007
Pellicer, J.; Garcia, S.; Garnatje, T.; Hidalgo, O.; Siljak-Yakovlev, S.; Vallès, J. "Chromosome Research. Vol. 15 (Suppl. 2) 2007. P.082".
- 26** **Title:** A multidisciplinary approach to the systematics of *Cheirolophus* and *Echinops* (Cardueae, Asteraceae)
Name of the conference: XII OPTIMA Meeting (Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area)
Type of event: Conference
Your role: Invited speaker
City of the publishing body: Pisa, Italy
Date of the event: 2007
Garnatje, T.; Canela, M.A.; Garcia, S.; Hidalgo, O.; Martín, J.; Pellicer, J.; Robin, O.; Siljak-Yakovlev, S.; Vallès, J. "Book of abstracts".
- 27** **Title:** Extreme environmental conditions and phylogenetic inheritance: cytogenetic and palynological approaches on the systematics of *Myopordon* and *Oligochaeta* (Asteraceae, Cardueae)
Name of the conference: XII OPTIMA Meeting (Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area)
Type of event: Conference
Your role: Invited speaker
City of the publishing body: Pisa, Italy
Date of the event: 2007
Hidalgo, O.; Garcia, S.; Garnatje, T.; Martín, J.; Pellicer, J.; Robin, O.; Vallès, J. "Book of abstracts".
- 28** **Title:** *Artemisia* and its allies (Asteraceae, Anthemideae): cytogenetic insights
Name of the conference: 2nd Meeting of the International Society of Chromosome Botany (ISBC)
Type of event: Conference
Your role: Invited speaker
City of the publishing body: Tokio, Japan
Date of the event: 2007
Vallès, J.; Garcia, S.; Garnatje, T.; Hidalgo, O.; Pellicer, J.
- 29** **Title:** Genome size in the family Asteraceae: cytogenetic, systematic, phylogenetic, evolutionary, ecological and biogeographic implications
Name of the conference: The International Compositae Alliance: Systematics and Evolution of the Compositae
Type of event: Conference
Your role: Speaker
City of the publishing body: Barcelona, Spain
Date of the event: 2006
Garcia, S.; Canela, M.A.; Garnatje, T.; Hidalgo, O.; Pellicer, J.; Sanz, M.; Siljak-Yakovlev, S.; Vallès, J.; Vilatersana, R. "Book of abstracts".



- 30** **Title:** Genome size variation, molecular phylogeny and nrDNA organization in the genus *Cheirolophus* Cass.: biogeographic implications
Name of the conference: The International Compositae Alliance: Systematics and Evolution of the Compositae
Type of event: Conference
Your role: Poster
City of the publishing body: Barcelona, Spain
Date of the event: 2006
Garnatje, T.; Canela, M.A.; Garcia, S.; Hidalgo, O.; Pellicer, J.; Robin, O.; Siljak-Yakovlev, S.; Vallès, J. "Book of abstracts".
- 31** **Title:** Polyploidy in *Artemisia* (Asteraceae, Anthemideae): is this kind of genome size increase its main speciation mechanism?
Name of the conference: The International Compositae Alliance: Systematics and Evolution of the Compositae
Type of event: Conference
Your role: Poster
City of the publishing body: Barcelona, Spain
Date of the event: 2006
Pellicer, J.; Garcia, S.; Garnatje, T.; Korobkov, A.A.; Dariimaa, Sh.; Tsooj, Sh.; Vallès, J. "Book of abstracts".
- 32** **Title:** Genome size variation and molecular cytogenetic studies focused on subgenus *Tridentatae* (*Artemisia*, Anthemideae, Asteraceae) and related taxa
Name of the conference: The International Compositae Alliance: Systematics and Evolution of the Compositae
Type of event: Conference
Your role: Poster
City of the publishing body: Barcelona, Spain
Date of the event: 2006
Garcia S.; Garnatje, T.; McArthur, E.D.; Robin, O.; Siljak-Yakovlev, S.; Vallès, J. "Book of abstracts".
- 33** **Title:** Palynological study of *Ajania* Poljakov and related genera (Asteraceae, Anthemideae, Artemisiinae)
Name of the conference: The International Compositae Alliance: Systematics and Evolution of the Compositae
Type of event: Conference
Your role: Poster
City of the publishing body: Barcelona, Spain
Date of the event: 2006
Martín J.; Garcia, S.; Pellicer, J.; Korobkov, A.A.; Garnatje, T.; Vallès, J. "Book of abstracts".
- 34** **Title:** Grandària del genoma i nombres cromosòmics en *Artemisia* (Asteraceae, Anthemideae): implicacions sistemàtiques i evolutives
Name of the conference: VI Jornada de Biologia Evolutiva
Type of event: Conference
Your role: Speaker
City of the publishing body: Barcelona, Spain
Date of the event: 2006
Pellicer, J., Garcia, S.; Garnatje, T.; Korobkov, A.A.; Dariimaa, Sh.; Tsooj, Sh.; Vallès, J. "Book of abstracts".
- 35** **Title:** Quantitat de DNA i filogènia molecular en el gènere *Cheirolophus* Cass. (Asteraceae): implicacions biogeogràfiques
Name of the conference: V Jornada de Biologia Evolutiva



Type of event: Conference

Your role: Speaker

City of the publishing body: Barcelona, Spain

Date of the event: 2005

Garnatje, T.; Garcia, S.; Vallès, J.; Canela, M.A."Book of abstracts".

- 36 Title:** Relationships between genome size stability, environmental features and geographical distribution in several taxa of *Artemisia* (Asteraceae) I: *A. arborescens* and its cultivars

Name of the conference: Main Meeting of the Society for Experimental Biology

Type of event: Conference

Your role: Poster

City of the publishing body: Bellaterra, Spain

Date of the event: 2005

Garcia, S.; Garnatje, T.; Hidalgo, O.; Vallès, J.

- 37 Title:** Genome size variation in the endemic sagebrushes and their allies (*Artemisia*)

Name of the conference: XVII International Botanical Congress. Workshop: Genome size, a research discipline in development

Type of event: Conference

Your role: Invited speaker

City of the publishing body: Vienna, Austria

Date of the event: 2005

Garcia, S.; Garnatje, T.; McArthur, E.D.; Sanderson, S.C.; Vallès, J.

- 38 Title:** Ethnobotanical studies in the high river Ter valley (Pyrenees, Catalonia, Iberian Peninsula)

Name of the conference: Fourth International Congress of Ethnobotany (ICEB 2005)

Type of event: Conference

Your role: Poster

City of the publishing body: Istanbul, Turkey

Date of the event: 2005

Rigat, M.; Bonet, M.A.; Garcia, S.; Garnatje, T.; Vallès, J."Actas Fourth Annual International Congress of Ethnobotany In: Ertug, F.Z. (ed.) Ethnobotany: at the junction of the continents and the disciplines. Proceedings of the IVth International Congress of Ethnobotany (ICEB 2005). 21-21 August 2005. Istanbul-Turkey, pp. 523-526. Istanbul, Yayinlari."

- 39 Title:** Genome size variation and its karyological, ecological, and systematic implications in the genus *Artemisia* and its allies (subtribe Artemisiinae and related taxa, Anthemideae, Asteraceae)

Name of the conference: IXth IOPB (International Organization of Plant Biosystematics) Meeting: Plant Evolution in Mediterranean Climate Zones

Type of event: Conference

Your role: Speaker

City of the publishing body: València, Spain

Date of the event: 2004

Garcia, S.; Sanz, M.; Garnatje, T.; Kreitschitz, A.; McArthur, E.D.; Vallès, J."Book of abstracts".

- 40 Title:** Molecular phylogeny of the genus *Echinops* L. (Asteraceae): preliminary studies

Name of the conference: IXth IOPB (International Organization of Plant Biosystematics) Meeting: Plant Evolution in Mediterranean Climate Zones

Type of event: Conference

Your role: Speaker

City of the publishing body: València, Spain

Date of the event: 2004



Garnatje, T.; Garcia, S.; Garcia-Jacas, N.; Hidalgo, O.; Martín, J.; Sanz, M.; Susanna, A.; Vallès, J.; Vilatersana, R."Book of abstracts".

- 41** **Title:** Phylogeny of Artemisia and its allies (subtribe Artemisiinae and related taxa, Anthemideae, Asteraceae) based on nrDNA ITS and ETS sequences
Name of the conference: IXth IOPB (International Organization of Plant Biosystematics) Meeting: Plant Evolution in Mediterranean Climate Zones
Type of event: Conference
Your role: Speaker
City of the publishing body: València, Spain
Date of the event: 2004
Sanz, M.; Hidalgo, O.; Garnatje, T.; Garcia-Jacas, N.; Susanna, A.; Vilatersana, R.; Garcia, S.; Martín J.; Vallès, J."Book of abstracts".
- 42** **Title:** Filogènia d'Artemisia i gèneres relacionats (Asteraceae, Anthemideae) basada en les seqüències de les regions ITS1, ITS2 i 3'ETS de l'ADN ribosòmic nuclear
Name of the conference: IV Jornada de Biologia Evolutiva
Type of event: Conference
Your role: Speaker
City of the publishing body: Barcelona, Spain
Date of the event: 2004
Sanz, M.; Hidalgo, O.; Garnatje, T.; Garcia-Jacas, N.; Susanna, A.; Vilatersana, R.; Garcia, S.; Martín, J.; Vallès, J.
- 43** **Title:** Quantitat d'ADN en diversos gèneres de la família de les compostes
Name of the conference: III Jornada de Biologia Evolutiva
Type of event: Conference
Your role: Speaker
City of the publishing body: Barcelona, Spain
Date of the event: 2003
Garcia, S.; Garcia-Jacas, N.; Garnatje, T.; Hidalgo, O.; Robin, O.; Sanz, M.; Siljak-Yakovlev, S.; Susanna, A.; Vallès, J.; Vilatersana, R.
- 44** **Title:** Nuclear DNA amount assesments in some representatives of tribe Anthemideae (Asteraceae)
Name of the conference: II Plant genome size workshop and discussion meeting
Type of event: Conference
Your role: Poster
City of the publishing body: Kew, United Kingdom
Date of the event: 2003
Sanz, M.; Garcia, S.; Garnatje, T.; Inceer, H.; Kreitschitz, A.; McArthur, E.D.; Vallès, J."Book of abstracts".
- 45** **Title:** Phylogeny of subtribe Artemisiinae (Asteraceae, Anthemideae) based on the sequences of nuclear ribosomal DNA internal transcribed spacers (ITS); relationships with cytogenetic and palynological data
Name of the conference: Deep Achene: The Compositae Alliance. First International Meeting
Type of event: Conference
Your role: Speaker
City of the publishing body: Pretoria, South African Republic
Date of the event: 2003
Vallès, J.; Torrell, M.; Martín, J.; Sanz, M.; Garcia, S.; Garnatje, T.; Garcia-Jacas, N.; Vilatersana, R.; Susanna, A."Compositae Newsletter".



- 46** **Title:** Molecular phylogeny of the genus *Echinops* L. (Asteraceae): preliminary studies
Name of the conference: II Plant genome size workshop and discussion meeting
Type of event: Conference
Your role: Poster
City of the publishing body: Kew, United Kingdom
Date of the event: 2003
Garnatje, T.; Garcia, S.; Garcia-Jacas, N.; Hidalgo, O.; Martín, J.; Sanz, M.; Susanna, A.; Vallès, J.; Vilatersana, R."Book of abstracts".

Work presented in Seminars, Workshops and/or Courses at the national or international level.

- 1** **Title:** Structure, evolution and expression of ribosomal RNA genes in plant genomes: new approaches to old questions
Name of the event: Seminari de l'IBB
Type of event: Seminar
Appearance as: Speaker
City of the publishing body: Barcelona, Spain
Date of the event: 01/07/2014
- 2** **Title:** Two plant cytogenetic web resources freshly updated: Genome size in the Asteraceae (GSAD) and Plant rDNA databases
Name of the event: Conferences and seminars of visitor scientists. Institute of Biophysics, Academy of Sciences of the Czech Republic, Brno
Appearance as: Speaker
City of the publishing body: Brno, Czech Republic
Date of the event: 11/2013
- 3** **Title:** New Ribosomal RNAs: cases in angiosperms and gymnosperms. Next steps
Name of the event: Conferences and seminars of visitor scientists. Institute of Biophysics, Academy of Sciences of the Czech Republic, Brno
Appearance as: Speaker
City of the publishing body: Brno, Czech Republic
Date of the event: 11/2011
- 4** **Title:** Ribosomal RNA genes evolution and organisation in family Asteraceae
Name of the event: Scientific seminars at the Institute of Experimental Botany, Olomouc
Appearance as: Speaker
City of the publishing body: Olomouc, Czech Republic
Date of the event: 13/03/2009
- 5** **Title:** Evolution of the Sagebrushes
Name of the event: Scientific seminars of invited researchers. Brigham Young University, Provo, Utah
Appearance as: By invitation
City of the publishing body: Provo, United States of America
Date of the event: 02/09/2008
- 6** **Title:** Un tipus de DNA ribosòmic inusual en plantes vasculars: Resultats en la família de les compostes
Name of the event: XV Conferència de Recerca a la Facultat de Farmàcia 2007-08
Appearance as: Speaker
City of the publishing body: Barcelona, Spain



Date of the event: 04/03/2008

- 7 Title:** An unusual rDNA organization in the sunflower family (Asteraceae): first results in genus *Artemisia* and allies

Name of the event: Conferences and seminars of visitor scientists. Institute of Biophysics, Academy of Sciences of the Czech Republic, Brno

Appearance as: Speaker

City of the publishing body: Brno, Czech Republic

Date of the event: 11/2007

- 8 Title:** Estudis biosistemàtics i evolutius en el subgènere *Tridentatae* (*Artemisia*, *Anthemideae*)

Name of the event: Scientific session: New methods in the study of evolution: examples in the Asteraceae

Appearance as: Speaker

City of the publishing body: Barcelona, Spain

Date of the event: 04/2006

Experiences transferred

Experience organising R&D activities

- 1 Title:** IV Jornades d'Etnobotànica en Llengua Catalana (Artà, Mallorca)

Type of activity: Member of the organizing comitee

Start date: 2008

- 2 Title:** VI Jornades de Biologia Evolutiva (Societat Catalana de Biologia).

Type of activity: Collaboration in the organization

Start date: 2008

Experience in assessment and review of R&D&I projects and articles

- 1 Name of the activity:** Revision of papers for 'ISRN Botany', 'Genome', 'African Journal of Biotechnology', 'Molecular Genetics and Genomics'

Type of activity: Review of articles in scientific or technological journals

Area: International

Start date: 2013

- 2 Name of the activity:** Revision of papers for 'Comparative Cytogenetics', 'Botanical Journal of the Linnean Society', 'Anales del Jardín Botánico de Madrid', 'BMC Evolutionary Biology', 'ISRN Botany', 'Australian Journal of Botany', 'Tree Genetics and Genomics'

Type of activity: Review of articles in scientific or technological journals

Area: International

Start date: 2012

- 3 Name of the activity:** Revision of papers for 'Biological Journal of the Linnean Society', 'Anales del Jardín Botánico de Madrid', 'African Journal of Biotechnology', 'Journal of Medicinal Plants Research' and 'Western North American Naturalist'

Type of activity: Review of articles in scientific or technological journals

Area: International

Start date: 2011

- 4** **Name of the activity:** Revision of papers for 'Nutrition and Dietary Supplements'
Type of activity: Review of articles in scientific or technological journals
Area: International
Start date: 2010
- 5** **Name of the activity:** Revision of papers for 'Naturwissenschaften', 'Current Zoology', 'Biological Journal of the Linnean Society' and 'Folia Geobotanica'
Type of activity: Review of articles in scientific or technological journals
Area: International
Start date: 2008
- 6** **Name of the activity:** Revision of papers for 'Collectanea Botanica'
Type of activity: Review of articles in scientific or technological journals
Area: International
Start date: 2007

Other credits

Residencies in R&D&I centres or companies in your own country or abroad

- 1** **Body where project took place:** Institute of Biophysics, Academy of Sciences of the Czech Republic
City: Brno, Czech Republic
Start date: 2013 **Duration:** 1 month - 2 days
Aim of the residency: Postdoctoral - In the framework of a cooperating project
Provable tasks: Study of rRNA homogeneity in L-type and S-type species. First quest in selected gymnosperms and angiosperms.
- 2** **Body where project took place:** Institute of Biophysics, Academy of Sciences of the Czech Republic
City: Brno, Czech Republic
Start date: 2012 **Duration:** 1 month - 2 days
Aim of the residency: Postdoctoral - In the framework of a cooperating project
Provable tasks: Study of rRNA structure and distribution in gymnosperms
- 3** **Body where project took place:** Institute of Biophysics, Academy of Sciences of the Czech Republic
City: Brno, Czech Republic
Start date: 2011 **Duration:** 1 month - 2 days
Aim of the residency: Postdoctoral - In the framework of a cooperating project
Provable tasks: Expression and epigenetic modification of 5S rRNA genes linked to the 35S rDNA unit in plants
- 4** **Body where project took place:** Institute of Biophysics, Academy of Sciences of the Czech Republic
City: Brno, Czech Republic
Start date: 2010 **Duration:** 15 days
Aim of the residency: Postdoctoral - In the framework of a cooperating project
Provable tasks: Preliminar steps: study of the arrangement and organization of ribosomal DNA in selected genera of angiosperms and gymnosperms. Epigenetics and gene expression.



- 5** **Body where project took place:** Institute of Biophysics, Academy of Sciences of the Czech Republic
City: Brno, Czech Republic
Start date: 2009 **Duration:** 8 months
Aim of the residency: Others (specify) - Program "José Castillejo" for mobility of young doctors abroad. MICINN
Provable tasks: Study of the arrangement and organization of ribosomal DNA in the family Asteraceae
- 6** **Body where project took place:** Shrub Sciences Laboratory, Rocky Mountain Research Station (United States Department of Agriculture)
City: Provo (Utah), United States of America
Start date: 2008 **Duration:** 15 days
Aim of the residency: Others (specify) - CSIC program for the international promotion
Provable tasks: Study of specimens from genera *Sphaeromeria* and *Artemisia* in situ. Preparation of a joint project of molecular phylogeny of both genera.
- 7** **Body where project took place:** Institute of Biophysics, Academy of Sciences of the Czech Republic
City: Brno, Czech Republic
Start date: 2007 **Duration:** 2 months - 20 days
Aim of the residency: Postdoctoral - FPU grants program (after PhD completion). Ministerio de Educación
Provable tasks: Learning and development of the Southern blot hybridization, cloning and DNA sequencing
- 8** **Body where project took place:** Laboratoire d'Evolution et Systématique (Université Paris-Sud, Centre National de la Recherche Scientifique)
City: Orsay - París, France
Start date: 2006 **Duration:** 15 days
Aim of the residency: Guest
Provable tasks: Learning and development of molecular cytogenetic techniques (Fluorescence in situ hybridization and flow cytometry)
- 9** **Body where project took place:** School of Biological Sciences, Queen Mary University of London
City: London, United Kingdom
Start date: 2006 **Duration:** 2 months - 20 days
Aim of the residency: Pre-Doctoral - FPU grants program. Ministerio de Educación.
Provable tasks: Learning and development of molecular cytogenetic techniques (Fluorescence in situ hybridization, genomic in situ hybridization and other molecular biology techniques)
- 10** **Body where project took place:** Laboratoire d'Evolution et Systématique (Université Paris-Sud, Centre National de la Recherche Scientifique)
City: Orsay - París, France
Start date: 2005 **Duration:** 2 months
Aim of the residency: Pre-Doctoral - FPU grants program. Ministerio de Educación.
Provable tasks: Learning and development of molecular cytogenetic techniques (Fluorescence in situ hybridization and flow cytometry)



Grants and scholarships obtained

- 1** **Name of the scholarship:** Scholarship for research stays abroad (BE-DGC 2012)
Issuing body: Agència de Gestió d'Ajuts Universitaris i de Recerca
Date of credit: 01/10/2012 **Duration:** 1 month - 1 day
- 2** **Name of the scholarship:** Program 'José Castillejo' for mobility of young doctors abroad. Ministerio de Ciencia e Innovación (MICINN)
Issuing body: Ministerio de Ciencia e Innovación (Gobierno de España)
Date of credit: 01/12/2008 **Duration:** 8 months
- 3** **Name of the scholarship:** Special announcement for the international promotion of the CSIC through the mobility by short stays and other international actions
Issuing body: Consejo Superior de Investigaciones Científicas - CSIC
Date of credit: 25/08/2008 **Duration:** 16 days
- 4** **Name of the scholarship:** Scholarship for University Teacher Training (FPU). Pre-doctoral.
Issuing body: Ministerio de Educación y Ciencia (Gobierno de España)
Date of credit: 01/02/2004 **Duration:** 4 years
- 5** **Name of the scholarship:** General grant ('beca general') of the Ministry of Education to study the degree of Pharmacy
Issuing body: Ministerio de Educación y Ciencia (Gobierno de España)
Date of credit: 09/1997 **Duration:** 4 years - 1 day
- 6** **Name of the scholarship:** Travel grants for activities related to research. Universitat de Barcelona (UB). Grants for travel to conferences and scientific meetings: 2004, 2005, 2007, 2011, 2013
Issuing body: Universitat de Barcelona

Paid membership of scientific and professional associations

Name: Member of the Societat Catalana de Biologia
Start date: 2004

Qualifications and awards accrediting professional quality

- 1** **Description:** Tenured-assistant Professor credit
Body conferring the credit: AQU
Date of credit: 09/2014
- 2** **Description:** Accreditation of the figure of lecturer, 'Professor Agregat'
Body conferring the credit: Agència per a la Qualitat del Sistema Universitari de Catalunya, AQU
Date of credit: 2014
- 3** **Description:** Accreditation of the figure of lecturer, 'Professor Agregat'
Body conferring the credit: Agència per a la Qualitat del Sistema Universitari de Catalunya, AQU
Date of credit: 2014



- 4** **Description:** Accreditation of the figure of assistant PhD professor, 'Profesor Ayudante Doctor'
Body conferring the credit: Agencia Nacional de Evaluación de la Calidad y Acreditación, ANECA
Date of credit: 2009
- 5** **Description:** Accreditation of the figure of lecturer, 'Professor Lector'
Body conferring the credit: Agència per a la Qualitat del Sistema Universitari de Catalunya, AQU
Date of credit: 2009
- 6** **Description:** European PhD mention
Body conferring the credit: Universitat de Barcelona
Date of credit: 2007
- 7** **Description:** PhD Extraordinary Award
Body conferring the credit: Universitat de Barcelona
Date of credit: 2007
- 8** **Description:** Award of the Societat Catalana de Biologia
Body conferring the credit: Societat Catalana de Biologia - Institut d'Estudis Catalans
Date of credit: 2005

Collection of other credits.

- 1** **Description credits:** Other courses: Research management: transfer, innovation and entrepreneurship. Training plan in management and research of the University of Barcelona
Body conferring the credit: Universitat de Barcelona
Date of credit: 04/2013
- 2** **Description credits:** Other courses: Conflict mediation and management skills. Training plan in management and research of the University of Barcelona
Body conferring the credit: Universitat de Barcelona
Date of credit: 03/2013
- 3** **Description credits:** Other courses: Cloud computing in teaching and research
Body conferring the credit: Universitat de Barcelona
Date of credit: 01/2013
- 4** **Description credits:** Member of the Editorial Board of the journal 'ISRN Botany'
Body conferring the credit: Hindawi publishing group
Date of credit: 2010
- 5** **Description credits:** Member of the Editorial Board of the journal 'Collectanea Botanica'
Body conferring the credit: Consejo Superior de Investigaciones Científicas - CSIC
Date of credit: 2009
- 6** **Description credits:** Trips and Scientific/Archaeological Campaigns: Botanical trip to the Western United States (Utah, Wyoming, Colorado, Nevada, Idaho) for collecting materials for a phylogenetic study of subgenus Tridentatae of Artemisia (endemic of the USA)
Body conferring the credit: CSIC - USDA
Date of credit: 08/2008



- 7** **Description credits:** Heavy Equipment: Flow cytometer; Frequent user; 2002
- 8** **Description credits:** Heavy Equipment: Fluorescence microscope; Frequent user; 2005
- 9** **Description credits:** Heavy Equipment: Thermal cycler; Frequent user; 2004
- 10** **Description credits:** Heavy Equipment: Q-PCR instrument: 7300 Real Time PCR System (Applied Biosystems/Ambion, Austin, TX, USA); Occasional user; 2009
- 11** **Description credits:** Heavy Equipment: PhosphorImager Typhoon 9410 (Molecular Dynamics); Occasional user; 2008
- 12** **Description credits:** Technics/Specializations: Basic karyology techniques: chromosome counts and karyotypes
- 13** **Description credits:** Technics/Specializations: Bisulfite sequencing
- 14** **Description credits:** Technics/Specializations: Flow cytometry
- 15** **Description credits:** Technics/Specializations: Fluorescent in situ hybridisation
- 16** **Description credits:** Technics/Specializations: Real Time PCR or Q-PCR
- 17** **Description credits:** Technics/Specializations: Southern blot hybridisation
- 18** **Description credits:** Technics/Specializations: Basic molecular biology laboratory: DNA extraction, purification, PCR, cloning, sequencing
- 19** **Description credits:** Technics/Specializations: Pulsed Gel Field Electrophoresis
- 20** **Description credits:** Certificate in Advanced English. Cambridge University. 2002