

PERSONAL DETAILS

Gian-Pietro Di Sansebastiano



📍 Via Rudiae n.26, 73100, Lecce, Italy

☎ +39 0832 298713

✉ Gp.disansebastiano@unisalento.it

🌐 <http://www.disteba.unisalento.it/people/gp.disansebastiano>
<http://orcid.org/0000-0001-5388-0695>

Sex male | Birth date 05/07/1970 | Nazionalità Italian

SHORT PROFILE

Gian-Pietro Di Sansebastiano is associate professor of General Botany and Professor of Bioproduction at the Department of Biological and Environmental Sciences and Technologies (DiSTeBA) of the University of Salento. He graduated with honors in Biological Sciences at the University of Pavia and obtained a PhD in plant biochemistry from the University of Neuchatel (CH). He gained experience in CIBA-Geigy (Basel, CH) and Imperial College (Wye, London, UK) and developed numerous collaborations. He is today Vice-President of the University course in Biotechnology and, in addition to his didactic and scientific interests in the field of Botany and Plant Biotechnology, he is member of the work group on job placement that handles relations with private sector and local institutions. He is a member of the coordinating group of the "Contamination-Lab" project of the University of Salento, dedicated to the promotion of innovative thinking and entrepreneurship. He is Delegated by the Rector of the University of Salento to the Research Products Valorization from February 2017 to September 2019.

PROFESSIONAL EXPERIENCE

November 2014 →

Associate Professor - BIO / 01 ("General Botany").

Qualified as Full Professor in BIO/01 sector by the "ASN2014" national scientific certification and confirmed in 2019.

Member of the Department of Biological and Environmental Sciences and Technologies, DiSTeBA of the University of Salento, Piazza Tancredi 7, 73100 Lecce (Italy)

- Delegate of the Rector to Research Products Valorization;
- Vice-President of the teaching council (University course) in Biotechnology;
- Member of various committees and technical tables;
- Teacher and researcher.

Activities: He teaches General Botany, Plant Cell Biology and Bioproduction, according to the skills of the Bio / 01 sector in the Biotechnology and Diagnostics for Cultural Heritage degree courses. He carries out research in the field of plant cell biology concerning the production, sorting and accumulation of proteins and metabolites within plant cells, developing innovative research on membrane trafficking mechanisms for vacuolar compartments and processes related to adaptation to stress and detoxification of pollutants (Phytoremediation).

March 2001-2014 →

Researcher and Aggregate professor (permanent position at University of Salento) - BIO / 01 ("General Botany").

At the Department of Biological and Environmental Sciences and Technologies, DiSTeBA of the University of Salento, Piazza Tancredi 7, 73100 Lecce (Italy)

July 1999-2001 →

Post-doc Researcher (Research associate)

At the Dep. Of Plant Physiology and Biophysiscs (dir. Prof. M. Blatt) at Imperial College in Wye (University of London). The college moved in 2004. info: w.raeside@imperial.ac.uk

Activities: He studies SNARE proteins involved in the control of ion channel activity and more generally in vesicle-mediated secretion.

July 1995-1999 → **Assistant and PhD student**

At the Institute of Biology of the University of Neuchâtel, rue Emile-Argand 11, 2000 Neuchâtel, CH.

Activities: Assignment as teaching assistant with 50% part-time contract for Molecular Biology and Biochemistry courses, for students of the faculty of sciences (biology, pharmacy and medicine), with practical exercises and assistance.

At the same time, he is a research PhD fellow at the University of Neuchâtel, under the direction of Prof. J-M Neuhaus. The project proposes the study of the different systems of recognition and transport of vacuolar proteins through the Golgi complex.

June 1994-1995 → **Research post-grade grant**

Research grant form Univeristy of Pavia (Italy) to perfectionate scientific skills abroad, to be spent at the Ciba-Geigy (today Novartis) research centre: Friedrich Miescher Institut in Basel.

Activities: He realizes the mapping of genes involved in the DNA repair system in Arabidopsis thaliana, under the direction of Dr. J. Paszkowski.

TRAINING

17-19 June 2019 **"Definiamo la terza missione: strategie, modelli, organizzazione e strumenti per massimizzare la valorizzazione della conoscenza e l'impatto sulla società"**

Didactic organized by Fondazione CRUI, hold in sede "Conferenza dei Rettori delle Università Italiane", Sala Affreschi, Piazza Rondanini n.48 – Roma

11-14 September 2017 **Summer School Netval: "Exploiling Innovalon in Healthcare" Lecce**

Didactic organized by NETVAL (Consortium of 60 Italian TT offices):

Critical issues related to the regulatory framework, public nature of the bodies involved in clinical research, comparison at a national level, analysis of relevant experiences developed at national level in order to favor the implementation and strengthening of support functions for the exploitation of research results in the clinical-care sector, integration policies, complementarity of the offer between universities and the health system.

June 1995-1999 **PhD in Science (Plant Biochemistry) of the University of Neuchatel**

University of Neuchâtel, rue Emile-Argand 11, 2000 Neuchâtel, CH.

Tutor Prof. J-M Neuhaus as supervisor. Title of the thesis work was: "Targeting of soluble proteins to two different vacuoles in the plant cells".

- The project proposes the study of the different systems of recognition and transport of vacuolar proteins through the Golgi complex.
- He develops transformation techniques for Nicotiana and Arabidopsis plants with different binary vectors. He uses Glucuronidase and Green Fluorescent Protein as marker proteins (of which it produces and re-elaborates some mutants). He learns and uses purification techniques for proteins and cellular fractions. He develops transient expression experiments in tobacco protoplasts and enzymatic tests.

1993-1995

1993-95 Post-grade studentship in the "Applied Genetics" school in Pavia.

1993/94 Post-grade collaboration with the Prof. F. Sala on the project "RAPD fingerprint for identification and tassonomic studies in Malus spp." and in the identification and retrotranscription of

the gene "ACC sintetase" at the Dep. of Genetics.

September 1989-1993

Diploma (II level) in Biology (110/110 with honours)

In the dep. of Genetics and Microbiology (University of Pavia, Strada Nuova, 65 Pavia.), supervisor Prof. E. Giulotto; thesis title: "Research and exploitation of minisatellite DNA polymorphisms in horses."

Six months "Erasmus" grant in Copenhagen at the Royal Veterinary school collaborating with the group of Dr. M. Fredholm studing polymorphic microsatellites.

PERSONAL SKILLS

Mother language Italian

Other languages

	COMPREHENSION		SPOKEN		WRITTEN
	Listening	Reading	Interaction	Oral production	
English	C2	C2	C2	C2	C2
French	C2	B2	C2	C2	B1
Spanish	B1	B1	B2	B1	A1

Levels: A1/A2: base - B1/B2: intermediate - C1/C2: advanced

Communication skills

Engaged in educational activities as well as dissemination, with a constant commitment to spreading botanical culture through the Italian Botanical Society.

Engaged in educational activities also in the field of Technology-Transfer (TT) as organizer and speaker in seminars and initiatives to promote innovative entrepreneurship from students (Contamination Lab, , project "Wild Mystic", project "3Bio", Settimana del Lavoro Unisalento).

Since 2009 he is president of the regional section of the same and organizes scientific and social activities, annual social excursions and meetings.

Is active organizing meetings (ENPER meeting 2008, ENPER meeting 2014, UPMT in 2016, Plantday12 and 2 national simposia) and leading international projects initiatives (COST and EU collaborative projects).

He promotes since 2012 the organization and public presentations of the EPSO event "Fascination of Plants day: world day of the charm of plants ".

Participate in popular conferences and debates.

He has written for the popular science journals Sapere (Dedalo), Notiziario Botanico (SBI) and Sinapsimag (online).

Participate in the National Scientific Degrees Plan. He is responsible for incoming guidance (orienteering) activities for the University course in Biotechnology.

Thanks to his scientific activity, he has the opportunity to meet with students of different nationalities carrying out short periods of ERASMUS teaching in Holland (host Amsterdam Ronald Koes), Sweden (Goteborg host Erik Amsson) as well as in Portugal (Lisbon 25 / 10-16 / 11 2012 host Rui Malhò and Germany (Tübingen 21 / 01-03 / 02 2014 host Christopher Grefen).

Managerial skills**Events organization:**

Main organizer:

Since 2018 (2019, 2020) LEbiotec (Lecce's biotechnologies): Biotechnology annual conference at University of Salento with dissemination events and stakeholder involvement.

Series of seminars Unisalento / BPP: "Research Products Valorization: The transfer of ideas from the field of research to the application" May 2017 - June 2018, Lecce

10th Summer School Netval: "Exploiting Innovation in Healthcare" Lecce, 11-14 / 09/2017

International UPMT meeting: Unconventional protein and membrane traffic. 4-7 / 10/2016 Gran Hotel Tiziano, Lecce

Annual meeting 2014 of the European Network for Plant Endomembranes Research (ENPER). 8-11 / 09/2014 Roca, Melendugno, LE

Annual meeting 2008 of the European Network for Plant Endomembranes Research (ENPER). 21-25 / 09/2014 Lecce.

Member of the organizing committee:

PlantDay EPSO 2012, 2015, 2017

Annual meeting of the Working Groups of: Molecular Cell Biology and Biotechnology and Differentiation; 16-18 / 06/2010, Lecce (Italy).

September 2002; 97th Congress of the Italian Botanical Society, Lecce, Italy.

Institutional roles:

President of the commission 2020 (Decreto Rettorale n. DR n. 781 Prot. n. 135478 del 03.11.2020) for the " ESAME DI STATO DI ABILITAZIONE ALL'ESERCIZIO DELLA PROFESSIONE DI BIOLOGO". Ordinanza Ministeriale n. del 28.12.2019

Delegate from the Rector of the University of Salento to the Research Products Valorization activities since February 2017.

Vice-president of the didactic council of Biotechnology of the University of Salento since 2017.

Member of the didactic board and secretary of the PhD course in Biology and Biotechnology at DiSTeBA, University of Salento.

Member of the board of the first level Interfaculty Degree Course "Sciences and Technologies for Cultural Heritage"

Member of the Board of the II level degree course in "Biotechnological Sciences"

Member of the following institutional commissions:

Joint Committee, Sciences and Technologies for Cultural Heritage; from the academic year 2002-2003 to the present.

Departmental Commission (DiSTeBA) FUR assignment (single research fund), from academic year 2002-2003 to 2006-2007.

Member of the Research Valorization Commission 2017-18.

Departmental Programming Commission (DiSTeBA) 2017-18.

Operative board for the "Labor Week" of the University of Salento.

Member of the coordinating group of the "Contamination-Lab" project of the University of Salento.

Institutional roles in scientific associations:

2014-present: President of the Regional Section of the Italian Botanical Society (Società Botanica Italiana).

2009-2014: Vice-Presidente of the Regional Section of the Italian Botanical Society (Società Botanica Italiana).

2004-2007: Member of the board of the thematic section of Italian Botanical Society (Società Botanica Italiana) for Cell development and biotechnology.

Research projects responsibility:

- " Nuove prospettive di sviluppo per l'Olivicoltura italiana attraverso la valorizzazione della biodiversità e la selezione di materiale GENETICO d'olivo tollerante/resistente a XYLELLA fastidiosa e azioni mirate a prevenire il possibile impatto sulla Viticoltura" NOVIXGEN.

- progetto di ricerca MIPAAF volto a: limitare e/o ridurre la diffusione della Xylella fastidiosa. Commissione di valutazione DR n. 608892 del 28/11/2022. (€ 3.628.193,71) coordinato da Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria – CREA. (Role) Partner.
- 2022/26 -HORIZON-CL6-2022-FARM2FORK-01-05: AWARE (AQUAPONICS FROM WASTEWATER RECLAMATION) Project number: 101084245 – (role) Responsible for Unisalento 650K €.
 - 2022/25 - Progetto regione Puglia, Misura 10/Sottomisura 10.2 - Operazione 10.2.1 - "Progetti per la conservazione e valorizzazione delle risorse genetiche in agricoltura": Recupero del Germoplasma Frutticolo Pugliese 2.1 (ReGEFrup 2.1) – (Role) Responsible partner.
 - 2022/25 - Progetto regione Puglia, Misura 10/Sottomisura 10.2 - Operazione 10.2.1 - "Progetti per la conservazione e valorizzazione delle risorse genetiche in agricoltura": Recupero del Germoplasma Frutticolo Pugliese 2.2, dei frutti minori (ReGEFrup 2.2) – (Role) Responsible partner.
 - PON Ricerca e Innovazione 2014-2020, Unione Europea, Fondo Europeo di Sviluppo Regionale, con Ministero dell'Istruzione, dell'Università e della Ricerca. Xenia Progetti S.r.l., Aci Castello, Catania. 'Remote, Intelligent & Sustainable aquaculture system for Fish' (Fish-RISE). Codice Identificativo ARS01_01053 (€ 9,000,298.64) Data dal: 01/09/2021; Data al: ad oggi – (role) partner.
 - P.O.R. PUGLIA FESR-FSE 2014 – 2020 - "Estrazione dei Talenti" SELEZIONE FACTORY – "STARTMAN" cod. QOJKU40Z (2019-ongoing)- (role) Scientific coordinator
 - Project of the Italian Botanical Society funded by Regione Puglia "Atlante degli alberi monumentali di Puglia" protocol AOO_036/10820 (2019-2020)- (role) Scientific coordinator
 - FP6-2002-Mobility-3 project: Development of new molecular tools to study secretion in plant cells. (2004-2008) MTKD-CT-2004-509253. 48 months- (role) Coordinator
 - Programma PO PUGLIA FSE 2007-13, Ritorno al Futuro: Estratti da Piante officinali Pugliesi in coltura controllata applicati alla dermocosmesi (EPOPAD). (2009-2010) 12 months- (role) Scientific referent
 - PRIN 20001054789_002; Titolo : Composizione chimica e biosintesi dei componenti polimerici di parete in microalghe e cianobatteri di ambienti estremi. Coord. Prof. Carlo Andreoli 24 months- (role) Participant
 - PRIN 2002073257_007 ; Titolo : Specie attive dell'ossigeno e cross-links nella parete come risposta di difesa della pianta ai patogeni. Coord. Prof. Giulia De Lorenzo 24months- (role)Participant
 - PRIN 2003052424_005; Titolo : Microorganismi estremofili : studio della biosintesi e secrezione dei polisaccaridi di parete ed esocellulari in condizioni di stress. Coord. Prof. Carlo Andreoli 24months- (role)Participant
 - PRIN 2005052297_003; Titolo : Secrezione di polisaccaridi e proteine di parete : meccanismi di controllo nel trasporto post-Golgi. Coord Prof. Giulia De Lorenzo 24months- (role)Participant
 - PRIN 2007K7KY8Y_003; Titolo : Sviluppo e caratterizzazione di marcatori e strumenti molecolari è per il monitoraggio di esocitosi ed endocitosi nel rimodellamento dell'apoplasto durante la crescita e i meccanismi di difesa. Coord. Prof. Riccardo Angelini 24months- (role)Participant
 - PRIN 2009WTCJL8_005; Titolo : Ruolo dei compartimenti post-Golgi nella trasduzione del segnale patogeno-dipendente nelle piante : confluenza di endocitosi, esocitosi e trasporto vacuolare. Coord. Prof. Giulia De Lorenzo 24months- (role)Participant
 - PSR 2007-2013 PIF Sviluppo Agroindustriale Mis. 124: "Innovazione nella filiera olivicola 100% jonico-salentina" progetto di cooperazione per lo sviluppo di nuovi prodotti, processi e tecnologie nei settori agricolo e alimentare, e in quello forestale. 24months- (role)Participant
 - PSR 2007-2013 PIF Sviluppo Agroindustriale Mis. 124: "Delizie Mediterranee" progetto di cooperazione per lo sviluppo di nuovi prodotti, processi e tecnologie nei settori agricolo e alimentare, e in quello forestale. 24months- (role)Participant
 - PON01_01145, progetto di ricerca industriale e formazione. 36months- (role)Participant

- PSR 2007-2013 PIF Sviluppo Agroindustriale Mis. 124: « Ortaggi e frutta di Puglia pronti in tavola. Jentu: una filiera per innovare e valorizzare i prodotti di IV e V gamma » 24months-(role)Participant

Relator of PhD thesis (Università del Salento) of dr Makarena Rojas (2019/22) and dr Fabrizio Barozzi (2015/18). Co-relator of Marianna Faraco's PhD in 2011. (Relator Prof. R. Koes. Vrije University, Amsterdam, Netherlands). Tutor of dr Maria De Benedictis, post-grade research grant Ritorno al Futuro (Regione Puglia) 2009-2010.

Responsibility in Research evaluation

Reviewer for the French Agence Nationale de la Recherche ANR in 2016

Reviewer for the Czech Science Foundation nel 2014

Reviewer for Italian reseach evaluation PRIN nel 2012

Reviewer for the USA National Science Foundation in 2010

Reviewer for Italian reseach evaluation VQR 2004-2010

Editorial roles:

Section Editor "Molecular Botany" dal 2014 per Int. J. Mol. Sci. Ed. MDPI, IF2.464.

Section Editor section "Plant Cell Biology" dal 2019 per PLANTS Ed. MDPI

Associated editor per la rivista Plant Biosystems Ed. Taylor & Francis

Associated editor per la rivista Plant Signaling and Behaviour Ed. Landes Biosciences.

Review Editor per Frontiers in Plant Science.

Editor per Plant Biochemistry and Physiology, Ed. OMICS group.

Reviewer abituale per la rivista The Plant Journal, Ed. Wiley

Reviewer abituale per la rivista Journal of Experimental Botany, Ed. Oxford Uni. Press.

Reviewer abituale per la rivista Plant Physiology, Ed. ASPB.

Reviewer abituale per la rivista Annals of Applied Biology Ed. Blackwell.

<https://publons.com/author/310875/gian-pietro-di-sansebastiano#profile>

Expert in PhD thesis jury.

Member, as external expert, of the thesis jury of Mme Okmeni Nguemeliu Jeannine, 10/26/2006.

Thesis Director Prof. J-M Neuhaus. University of Neuchatel, Switzerland.

External member of the thesis commission of Walter Verweij, 9 October 2007. Thesis director F Quattrocchio. University of Vrije, Amsterdam, Netherlands.

Co-speaker of the PhD of Marianna Faraco, by Walter Verweij, December 2011. Thesis director R. Koes. University of Vrije, Amsterdam, Netherlands.

External member of the thesis commission of Fornaciari, Boveri, Giovanardi, Reggiani, Cino, Mogna, Mamlouk, Costa; March 30, 2012. Cycle XXIV PhD in Agro-Food Sciences, Technologies and Biotechnologies. President Prof. Pulvirenti. University of Modena and Reggio Emilia, Italy.

"Opponent" of the thesis jury of Mohamed Alezzawi, 21/03/2014. Thesis Director Prof. Henrik Aronsson. University of Gothenburg, Sweden.

2015 - External member of the thesis commission of Giulia Russo, dell'Università degli Studi di Torino 26/06/2015

ADDITIONAL INFORMATIONS

Published 68 documents on indexed journals, 29 of which as first or corresponding author; 10 book chapters and over 60 minor publications (minor journals, proceedings, abstracts).

Bibliometric records:

ORCID ID: orcid.org/0000-0001-5388-0695

SCOPUS bibliometric record at 05 July 2023

Results found:	68
Sum of the Times Cited:	1846
Citing Articles:	1307
h-index:	24

List of publications

Books chapters

In *Biologia cellulare e biotecnologie vegetali*. G. Pasqua ; PICCIN ed. 2011. ISBN: 978-88-299-2124-9

Chapter 1: Lo studio della cellula vegetale. A. Genre, G.P. Di Sansebastiano p.3-12

Chapter 4: Il sistema di endomembrane. G.P. Di Sansebastiano p.43-56

Chapter 5: I vacuoli. G.P. Di Sansebastiano, C. Forni p.59-70

Chapter 22: Bioproduzioni e biomasse. C. Forni, G.P. Di Sansebastiano p.329-339

Chapter 25: Ingegneria genetica nelle piante. L. Trainotti , L. Lanfranco, G.P. Di Sansebastiano p.359-388

Chapter 26: Aspetti applicati vi della transgenesi nei sistemi vegetali. L. Lanfranco, G.P. Di Sansebastiano, L. Trainotti p.389-404

In *Plant Signaling: Understanding the Molecular Crosstalk*, Editors: Hakeem, Khalid Rehman, Rehman, Reiaz Ul, Tahir, Inayatullah ; Springer ed. 2014. I SBN 978-81-322-1542-4 vol 9788132215424:

- Ul Rehman, R., Di Sansebastiano, G.-P. Plant Rab GTPases in membrane trafficking and signalling (2014) pp. 51-73. Book chapter - DOI: 10.1007/978-81-322-1542-4-3
- Ul Rehman, R., Di Sansebastiano, G.-P. SNARE proteins as signaling elements (2014) pp. 39-49. Book chapter - DOI: 10.1007/978-81-322-1542-4-2

Di Sansebastiano GP, Barozzi F (2017) Transient Secretory Enzyme Expression in Leaf Protoplasts to Characterize SNARE Functional Classes in Conventional and Unconventional Secretion. In: Jiang L. (eds) *Plant Protein Secretion*. *Methods in Molecular Biology*, vol 1662. Humana Press, New York, NY. https://doi.org/10.1007/978-1-4939-7262-3_19

Di Sansebastiano, G.P. (2021) Investigation of Drug Efficacy by Screening Bioactive Chemical Effects on Plant Cell Subcellular Architecture. *Methods in Molecular Biology*, 2021, 2213, pp. 49–58. https://link.springer.com/protocol/10.1007%2F978-1-0716-0954-5_5

Patents

Patent application (Italian on 12/09/2019. Nr. 102019000016148) PCT/EP2020/075391 Title: "Biomass based filter for water purification"

Papers in indexed JCR journals

1. MANCO, A.; GERARDI, C.; ROMANO, G.; D'AMICO, L.; BLANCO, A.; MILANO, F.; DI SANSEBASTIANO, G.P.; BALECHE, R.; LADDOMADA, B. (2023) Phenolic Profile of Whole Seeds and Seed Fractions of Pigmented Lentils and its Impact on Antioxidant Activity. *Food Bioscience* 54, 102887-
<http://dx.doi.org/10.2139/ssrn.4455309>
2. ANGLANA, C.; CAPACI, P.; BAROZZI, F.; MIGONI, D.; ROJAS, M.; STIGLIANO, E.; DI SANSEBASTIANO, G.P.; PAPADIA, P. (2023) *Dittrichia viscosa* Selection Strategy Based on Stress Produces Stable Clonal Lines for Phytoremediation Applications. *Plants*, 12, 2499. <https://doi.org/10.3390/plants12132499>
3. ARENCIBIA, A.D., DI SANSEBASTIANO, G.P., KUMAR, V. (2022) Biotechnology of plant secondary metabolites: Phytochemical biopharming as a sustainable contribution to a high-tech bioeconomy. *South African Journal of Botany*, 149, pp. 754–757.
4. DE PAOLIS, A., DE CAROLI, M., ROJAS, M., ...PIRO, G., DI SANSEBASTIANO, G.-P. (2022) Evaluation of *Dittrichia viscosa* Aquaporin Nip1.1 Gene as Marker for Arsenic-Tolerant Plant Selection. *Plants*, 2022, 11(15), 1968.
5. PEREIRA C, DI SANSEBASTIANO GP. (2021) Mechanisms of membrane traffic in plant cells. *Plant Physiology and Biochemistr* 169, pp. 102–111
6. DE MATTEIS V, ROJAS M, CASCIONE M, ...DI SANSEBASTIANO GP, RINALDI R. (2021) Physico-chemical properties of inorganic nps influence the absorption rate of aquatic mosses reducing cytotoxicity on intestinal epithelial barrier model. *Molecules* 26(10), 2885

7. CLAUDIA SPECIALE, NUNZIA LAROSA, FRANCESCA SPATAFORA, ALBA MARIA GABRIELLA CALASCIBETTA, GIAN PIETRO DI SANSEBASTIANO, GIUSEPPINA BATTAGLIA & SALVATORE PASTA (2021) Archaeobotanical and Historical Insights on Some Steps of Forest Cover Disruption at Ustica Island (Sicily, Italy) from Prehistory Until Present day. *Environmental Archaeology*, DOI: 10.1080/14614103.2021.1962578
8. DE CAROLI M, BAROZZI F, RENNA L, PIRO G, DI SANSEBASTIANO GP. (2021) Actin and microtubules differently contribute to vacuolar targeting specificity during the export from the ER. *Membranes*, 11(4), 299
9. PAPADIA P, BAROZZI F, ANGILÉ F, ...FANIZZI FP, DI SANSEBASTIANO, GP. (2020) Evaluation of *Dittrichia viscosa* performance in substrates with moderately low levels of As and Cd contamination- *Plant Biosystems* 154(6), pp. 983–989
10. DE PAOLIS A, CARETTO S, QUARTAA, DI SANSEBASTIANO GP, SBROCCA I, MITA G, FRUGIS G. (2020) Genome-Wide Identification of WRKY Genes in *Artemisia annua*: Characterization of a Putative Ortholog of AtWRKY40. *PLANTS (Basel)*. 9(12):1669. doi: 10.3390/plants9121669.
11. MOLESINI B, DUSI V, PENNISI F, DI SANSEBASTIANO GP, ZANZONI S, MANARAA, FURINI A, MARTINI F, ROTINO GL, PANDOLFINI T. (2020) TCMP-2 affects tomato flowering and interacts with BBX16, a homolog of the arabidopsis B-box MiP1b. *PLANT DIRECT*. 4(11):e00283. doi: 10.1002/pld3.283. eCollection 2020 Nov.
12. MORADI A, ZARINKAMAR F, DE DOMENICO S, MITA G, DI SANSEBASTIANO GP, CARETTO S. (2020) Salicylic Acid Induces Exudation of Crocin and Phenolics in Saffron Suspension-Cultured Cells. *PLANTS (Basel)*. 9(8):949. doi: 10.3390/plants9080949.
13. PAPADIA P, BAROZZI F, MIGONI D, ROJAS M, FANIZZI FP, DI SANSEBASTIANO GP. (2020) Aquatic Mosses as Adaptable Bio-Filters for Heavy Metal Removal from Contaminated Water. *INT J MOL SCI*. 21(13):4769. doi: 10.3390/ijms21134769.
14. DE CAROLI M, FURINI A, DALCORSO G, ROJAS M, DI SANSEBASTIANO GP. (2020) Endomembrane Reorganization Induced by Heavy Metals. *PLANTS (Basel)*. 9(4):482. doi: 10.3390/plants9040482.
15. DE CAROLI M, MANNO E, PERROTTA C, DE LORENZO G, DI SANSEBASTIANO GP, PIRO G. (2020) CesA6 and PGIP2 Endocytosis Involves Different Subpopulations of TGN-Related Endosomes. *FRONT PLANT SCI*. 11:350. doi: 10.3389/fpls.2020.00350. eCollection 2020.
16. SPECIALE C., BENTALEB I., COMBOURIEU-NEBOUT N., DI SANSEBASTIANO G. P., IANNI F., FOUREL F., GIANNITRAPANI E. (2020). The case study of Case Bastione: First analyses of 3rd millennium cal BC paleoenvironmental and subsistence systems in central Sicily. *JOURNAL OF ARCHAEOLOGICAL SCIENCE: REPORTS*, vol. 31, ISSN: 2352-409X, doi: 10.1016/j.jasrep.2020.102332
17. BAROZZI F, PAPADIA P, STEFANO G, RENNA L, BRANDIZZI F, MIGONI D, FANIZZI FP, PIRO G, DI SANSEBASTIANO GP, (2019) Variation in Membrane Trafficking Linked to SNARE AtSYP51 Interaction With Aquaporin NIP1;1. *FRONTIERS IN PLANT SCIENCE* 9: 1949. doi: 10.3389/fpls.2018.01949
18. ARIANI A, BAROZZI F, SEBASTIANI L, DI TOPPI LS, DI SANSEBASTIANO GP, ANDREUCCI A (2019) AQUA1 is a mercury sensitive poplar aquaporin regulated at transcriptional and post-translational levels by Zn stress. *Plant Phys. And Biochem*. 135: 588-600. doi: 10.1016/j.plaphy.2018.10.038
19. DI SANSEBASTIANO GP, BAROZZI F, PIRO G, DENECKE J, DE MARCOS LOUSA C. (2017) Trafficking routes to the plant vacuole: connecting alternative and classical pathways. *J Exp Bot*. 69(1):79-90. doi: 10.1093/jxb/erx376 IF:5,83
20. GORING DR, DI SANSEBASTIANO GP. (2017) Protein and membrane trafficking routes in plants: conventional or unconventional? *J Exp Bot*. 69(1):1-5. doi: 10.1093/jxb/erx435 IF:5,83
21. DE BENEDICTIS, M; DE CAROLI, M; BACCELLI, I; MARCHI, G; BLEVE, G; GALLO, A; RANALDI, F; FALCO, V; PASQUALI, V; PIRO, G; MITA, G; DI SANSEBASTIANO, GP. (2017) Vessel occlusion in three cultivars of *Olea europaea* naturally exposed to *Xylella fastidiosa* in open field. *Journal Of Phytopathology*. 165 (9): 589-594. DOI: 10.1111/jph.12596 IF:0,853
22. BAROZZI, F; DI SANSEBASTIANO, GP; SABELLA, E; APRILE, A; PIRO, G; DE BELLIS, L; NUTRICATI, E (2017) Glutathione S-transferase related detoxification processes are correlated with receptor-mediated vacuolar sorting mechanisms. *Plant Cell Reports* 36 (9): 1361-1373. DOI: 10.1007/s00299-017-2159-3 IF:2,869
23. FARACO, M; LI, YB; LI, SJ; SPELT, C; DI SANSEBASTIANO, GP; REALE, L; FERRANTI, F; VERWEIJ, W; KOES, R ; QUATTROCCHIO, FM. (2017) A Tonoplast P3B-ATPase Mediates Fusion of Two Types of Vacuoles in Petal Cells. *Cell Reports* 19 (12): 2413-2422. DOI: 10.1016/j.celrep.2017.05.076 IF:8,282
24. POMPA, A; DE MARCHIS, F; PALLOTTA, MT; BENITEZ-ALFONSO, Y; JONES, A; SCHIPPER, K; MOREAU, K; ZARSKY, V; DI SANSEBASTIANO, GP; BELLUCCI, M. (2017) Unconventional Transport Routes of Soluble and Membrane Proteins and Their Role in Developmental Biology. *Int J Mol Sci* 18 (4): 703. DOI: 10.3390/ijms18040703 IF:3,226
25. NESLER, A; DALCORSO, G; FASANI, E; MANARA, A ; DI SANSEBASTIANO, GP; ARGESE, E; FURINI, A. (2017) Functional components of the bacterial CzcCBA efflux system reduce cadmium uptake and accumulation in transgenic tobacco plants *New Biotechnology* 35: 54-61. DOI: 10.1016/j.nbt.2016.11.006 IF:3,813

26. PAPADIA, P; BAROZZI, F; HOESCHELE, JD; PIRO, G; MARGIOTTA, N; DI SANSEBASTIANO, GP. (2017) Cisplatin, Oxaliplatin, and Kiteplatin Subcellular Effects Compared in a Plant Model. *Int J Mol Sci* 18 (2): 306. DOI: 10.3390/ijms18020306 IF:3,226
27. OCCHIALINI, A., GOUZERH, G., DI SANSEBASTIANO, G.-P., NEUHAUS, J.-M. (2016) Dimerization of the vacuolar receptors AtRMR1 and -2 from *Arabidopsis thaliana* contributes to their localization in the trans-Golgi network. *Int J Mol Sci* 17(10),1661 IF:3,226
28. VERGARA D, DE DOMENICO S, MAFFIA M, PIRO G, DI SANSEBASTIANO GP. (2015) Transgenic plants as low-cost platform for chemotherapeutic drugs screening. *Int J Mol Sci*. 2015 Jan 20;16(1):2174-86. IF:3,226
29. DI SANSEBASTIANO GP, RIZZELLO F, DURANTE M, CARETTO S, NISI R, DE PAOLIS A, FARACO M, MONTEFUSCO A, PIRO G, MITA G. (2015) Subcellular compartmentalization in protoplasts from *Artemisia annua* cell cultures: engineering attempts using a modified SNARE protein. *Journal of Biotechnology*. 202:146-52. doi: 10.1016/j.jbiotec.2014.11.016.. IF:2,88
30. STIGLIANO E, DI SANSEBASTIANO GP, NEUHAUS JM. (2014) Contribution of chitinase A's C-terminal vacuolar sorting determinant to the study of soluble protein compartmentation. *Int J Mol Sci* 15(6):11030-9. doi: 10.3390/ijms150611030.
31. DI SANSEBASTIANO GP, LATINO A, DI BARBORA, D, RIZZELLO F, DURANTE, M, CARETTO, S, DE PAOLIS, A, PIRO, G, MITA, G (2014) Exploring *Artemisia annua* cell compartmentalization engineering *JOURNAL OF BIOTECHNOLOGY* 185: S32 Supplement: DOI: 10.1016/j.jbiotec.2014.07.108
32. DI SANSEBASTIANO GP, FORNACIARI S, BAROZZI F, PIRO G, ARRU L. (2014) New insights on plant cell elongation: a role for acetylcholine. *Int J Mol Sci*. 15(3):4565-82. doi: 10.3390/ijms15034565.
33. DE CAROLI M, LENUCCI MS, DI SANSEBASTIANO GP, TUNNO M, MONTEFUSCO A, DALESSANDRO G, PIRO G. (2014) Cellular localization and biochemical characterization of a chimeric fluorescent protein fusion of *Arabidopsis* cellulose synthase-like A2 inserted into Golgi membrane. *ScientificWorldJournal*. 2014: 792420. doi: 10.1155/2014/792420. IF:1.73
34. FARACO M, SPELT C, BLIEK M, VERWEIJ W, HOSHINO A, ESPEN L, PRINSI B, JAARSMA R, TARHAN E, DE BOER AH, DI SANSEBASTIANO GP, KOES R, QUATTROCCHIO FM. (2014) Hyperacidification of vacuoles by the combined action of two different P-ATPases in the tonoplast determines flower color. *Cell Reports* 6(1): 32-43. doi: 10.1016/j.celrep.2013.12.009.
35. STIGLIANO E, FARACO M, NEUHAUS JM, MONTEFUSCO A, DALESSANDRO G, PIRO G, DI SANSEBASTIANO GP. (2013) Two glycosylated vacuolar GFPs are new markers for ER-to-vacuole sorting. *Plant Physiol Biochem*. 73: 337-43. doi: 10.1016/j.plaphy.2013.10.010.
36. DI SANSEBASTIANO GP. (2013) Defining new SNARE functions: the i-SNARE. *Front Plant Sci*. 16; 4:99. doi: 10.3389/fpls.2013.00099.
37. DI SANSEBASTIANO GP, DE BENEDICTIS M, CARATI D, LOFRUMENTO D, DURANTE M, MONTEFUSCO A, ZUCCARELLO V, DALESSANDRO G AND PIRO G. (2013) Quality and Efficacy of *Tribulus terrestris* as an Ingredient for Dermatological Formulations. *The Open Dermatology Journal* 7, 1-7 ISSN: 1874-3722 [DOI: 10.2174/1874372201307010001]
38. DE BENEDICTIS M, BLEVE G, FARACO M, STIGLIANO E, GRIECO F, PIRO G, DALESSANDRO G, DI SANSEBASTIANO GP. (2013) AtSYP51/52 Functions Diverge in the Post-Golgi Traffic and Differently Affect Vacuolar Sorting. *Mol Plant*. 6(3):916-30. doi: 10.1093/mp/sss117.
39. DE DOMENICO S, BONSEGNA S, LENUCCI MS, POLTRONIERI P, DI SANSEBASTIANO GP, SANTINO A. (2011) Localization of seed oil body proteins in tobacco protoplasts reveals specific mechanisms of protein targeting to leaf lipid droplets. *J Integr Plant Biol*. 2011 Nov;53(11):858-68. doi: 10.1111/j.1744-7909.2011.01077.x.
40. UL-REHMAN R, RINALDUCCI S, ZOLLA L, DALESSANDRO G, DI SANSEBASTIANO GP. (2011) *Nicotiana tabacum* protoplasts secretome can evidence relations among regulatory elements of exocytosis mechanisms. *Plant Signal Behav*.;6(8):1140-5.
41. DE CAROLI M, LENUCCI MS, DI SANSEBASTIANO GP, DALESSANDRO G, DE LORENZO G, PIRO G. (2011) Dynamic protein trafficking to the cell wall. *Plant Signal Behav*.;6(7). 94-97
42. FARACO M, DI SANSEBASTIANO GP, SPELT K, KOES RE, QUATTROCCHIO FM. (2011) One protoplast is not the other! *PLANT PHYSIOL*. 156(2):474-8
43. BLEVE G, DI SANSEBASTIANO GP, GRIECO F. (2011) Over-expression of functional *Saccharomyces cerevisiae* GUP1, induces proliferation of intracellular membranes containing ER and Golgi resident proteins. *BIOCHIMICA ET BIOPHYSICA ACTA - BIOMEMBRANES*. 1808(3): 733-44
44. DE CAROLI M, LENUCCI M, DI SANSEBASTIANO GP, DALESSANDRO G, DE LORENZO G, PIRO G. (2011) Protein trafficking to the cell wall occurs through different mechanisms distinguishable from the default sorting in tobacco. *THE PLANT JOURNAL* 65(2):295-308. doi: 10.1111/j.1365-313X.2010.04421.
45. SILVA PA, UL-REHMAN R, RATO C, DI SANSEBASTIANO GP, MALHO R. (2010) Asymmetric localization of *Arabidopsis* SYP124 syntaxin at the pollen tube apical and sub-apical zones is involved in tip growth. *BMC PLANT BIOL*. 10:179. DOI: 10.1186/1471-2229-10-179
46. PARIS N, SAINT-JEAN B, FARACO M, KRZESZOWIEC W, DALESSANDRO G, NEUHAUS J-M, DI

- SANSEBASTIANO GP (2009) Expression of a glycosylated GFP as a bivalent reporter in exocytosis. *PLANT CELL REPORTS* 29(1): 79-86, DOI 10.1007/s00299-009-0799-7
47. DI SANSEBASTIANO GP; FARACO M; ZOUHAR J; DALESSANDRO G. (2009) THE STUDY OF PLANT SNARES SPECIFICITY IN VIVO. *PLANT BIOSYSTEMS* 143 (3) : 621–629, DOI: 10.1080/11263500903233342
 48. VERWEIJ W; SPELT C; DI SANSEBASTIANO GP; VERMEER J; REALE L; FERRANTI F; KOES R; QUATTROCCHIO F (2008). An H⁺ P-ATPase on the tonoplast determines vacuolar pH and flower colour. *NATURE CELL BIOLOGY* 10 : 1456 – 1462, DOI 10.1038/ncb1805
 49. REHMAN RU; STIGLIANO E; LYCETT GW; STICHER L; SBANO F; FARACO M; DALESSANDRO G; DI SANSEBASTIANO GP (2008). Tomato Rab11a characterization evidenced a difference between SYP121 dependent and SYP122 dependent exocytosis. *PLANT AND CELL PHYSIOLOGY*, 49(5): 751-766, ISSN: 0032-0781
 50. VERWEIJ W; DI SANSEBASTIANO G.; QUATTROCCHIO F; DALESSANDRO G (2008). Advanced microscopy techniques as instruments for cell and tissue analysis in plants :agrobacterium-mediated transient expression of vacuolar GFPs in petunia leaves and petals. *PLANT BIOSYSTEMS*, vol. 142 (2): 343-347.
 51. DE DOMENICO S; TSEMETZIS N; DI SANSEBASTIANO G.; HUGHES R.K; CASEY R. AND SANTINO A (2007). Subcellular localisation of Medicago truncatula 9/13-hydroperoxide lyase reveals a new localisation pattern and activation mechanism for CYP74C enzymes. *BMC PLANT BIOLOGY*, vol. 7; p. 58-67, ISSN: 1471-2229
 52. DI SANSEBASTIANO G.; REIAZ UL REHMAN; JEAN-MARC NEUHAUS (2007). Rat beta-glucuronidase as a reporter protein for the analysis of the plant secretory pathway. *PLANT BIOSYSTEMS*, vol. 141(3); p. 329-336, ISSN: 1126-3504
 53. DI SANSEBASTIANO G.; RENNA L; GIGANTE M; DE CAROLI M; PIRO G; DALESSANDRO G (2007). Green fluorescent protein reveals variability in vacuoles of tree plant species. *BIOLOGIA PLANTARUM*, vol. 51 (1); p. 49-55, ISSN: 0006-3134
 54. LEUCCI MR; DI SANSEBASTIANO G.; GIGANTE M; DALESSANDRO G; PIRO G (2007). Secretion marker proteins and cell-wall polysaccharides move through different secretory pathways. *PLANTA*, vol. 225; p. 1001-1017, ISSN: 0032-0935
 55. DI SANSEBASTIANO G.; GIGANTE M; DE DOMENICO S; PIRO G; DALESSANDRO G (2006). Sorting of GFP tagged NtSyr1, an ABA related syntaxin. *PLANT SIGNALING & BEHAVIOUR*, vol. 1 (2); p. 76-84, ISSN: 1559-2316
 56. G. MITA; A. QUARTA; P. FASANO; A. DE PAOLIS; DI SANSEBASTIANO G.; C. PERROTTA; R. IANNAcone; E. BELFIELD; R. HUGHES; N. TSEMETZIS; R. CASEY AND A. SANTINO (2005). Molecular cloning and characterisation of an almond 9-hydroperoxide lyase, a new CYP74 targeted to lipid bodies. *JOURNAL OF EXPERIMENTAL BOTANY*, vol. 56 (419); p. 2321-2333, ISSN: 0022-0957
 57. M. A. CASTELLANO; G. LOCONSOLE; F. GRIECO; DI SANSEBASTIANO G.; AND G. P. MARTELLI (2005). Subcellular localization and immunodetection of movement proteins of olive latent virus 1. *ARCHIVES OF VIROLOGY*, vol. 150(7); p. 1369-1381, ISSN: 0304-8608
 58. DI SANSEBASTIANO G.; RENNA L; PIRO G; DALESSANDRO G (2004). Stubborn GFPs in Nicotiana tabacum vacuoles. *PLANT BIOSYSTEMS*, vol. 138; p. 37-42, ISSN: 1126-3504
 59. FLUCKIGER R; DE CAROLI M; PIRO G; DALESSANDRO G; NEUHAUS, JM, DI SANSEBASTIANO G. (2003). Vacuolar system distribution in Arabidopsis tissues, visualized using GFP fusion proteins. *JOURNAL OF EXPERIMENTAL BOTANY*, vol. 54; p. 1577-1584, ISSN: 0022-0957
 60. GEELEN D; LEYMAN B; BATOKO H; DI SANSEBASTIANO G.; MOORE I; BLATT M.R (2002). The abscisic acid-related SNARE homolog NtSyr1 contributes to secretion and growth: evidences from competition with its cytosolic domain. *PLANT CELL*, vol. 14; p. 387-406, ISSN: 1040-4651 (nome errato sulla pubblicazione originale: Di Sansabastiano – erratum in *PLANT CELL* 14(4) : 963)
 61. Blatt, MR ; Moore, I ; Batoko, H; DiSansebastiano, GP; Leyman, B; Geelen, D (2002) Integrating control of ion channels and cell volume in guard cell signalling. *BIOPHYSICAL JOURNAL* 82 : 616A
 62. DI SANSEBASTIANO GP; PARIS N; MARCMARTIN; S; AND NEUHAUS; JM (2001). Regeneration of a Lytic Central Vacuole and of Neutral Peripheral Vacuoles Can Be Visualized by Green Fluorescent Proteins Targeted to Either Type of Vacuoles. *PLANT PHYSIOLOGY*, vol. 126; p. 78-86, ISSN: 0032-0889
 63. ULM; R; REVENKOVA; DI SANSEBASTIANO G.; GP; BECHTOLD; N. AND PASKKOWSKI; J (2001). Mitogen-activated protein kinase phosphatase is required for genotoxic stress relief in Arabidopsis. *GENES & DEVELOPMENT*, vol. 15; p. 699-709, ISSN: 0890-9369
 64. GRIECO F; CASTELLANO M.A; DI SANSEBASTIANO G.; MAGGIPINTO G; NEUHAUS JM. AND MARTELLI G (1999). Subcellular localization and in vivo identification of olive latent virus 2 putative movement protein. *JOURNAL OF GENERAL VIROLOGY*, vol. 80; p. 1103-1109, ISSN: 0022-1317
 65. DI SANSEBASTIANO G.; PARIS N; MARCMARTIN S. AND NEUHAUS JM (1998). Specific accumulation of GFP in a non-acidic vacuolar compartment via a C-terminal propeptide-mediated sorting pathway. *PLANT JOURNAL*, vol. 15; p. 449-457, ISSN: 0960-7412

National publications

- Faraco M, Piro G, Dalessandro G, Di Sansebastiano GP. (2012) L'epifluorescenza del succo vacuolare come parametro qualitativo dei prodotti ortofruitticoli *INFORMATORE BOTANICO ITALIANO*, 44 (2): 44-45
- Exploitation of plasticity in the tonoplast of biotechnological purposes Author(s): Di Sansebastiano, G-P.; Faraco, M.; Dalessandro, G. Source: *Informatore Botanico Italiano* Volume: 43 Issue: Suppl. 1 Pages: 6 Published: DEC 2011
- "Interfering" effect of SNARE protein Author(s): De Benedictis, M.; Faraco, M.; Di Sansebastiano, G-P.; Dalessandro, G. Source: *Informatore Botanico Italiano* Volume: 43 Issue: Suppl. 1 Pages: 151 Published: DEC 2011
- Di Sansebastiano G-P, Stigliano E; Dalessandro G (2005). Studio dell'interazione dei partner proteici del complesso SNARE coinvolto nei processi escitotici. *INFORMATORE BOTANICO ITALIANO*, vol. 37 (2); p. 1261-1262, ISSN: 0020-0697
- Di Sansebastiano G-P (2004). Studio dell'organizzazione del sistema di endomembrane in diversi sistemi vegetali. *INFORMATORE BOTANICO ITALIANO*, vol. 36 (2); p. 572-573, ISSN: 0020-0697
- Di Sansebastiano G-P, Stigliano E., Dalessandro G. "Caratterizzazione in vivo di Rab11." 2006 ; *INFORMATORE BOTANICO ITALIANO*, 20/01/2006 Lecce
- Paszowski J., Afsar K., Albinsky D., Bogucki A., Bellotto M., Dieguez M.J., Lebel E.G., Masson J., Mengiste T., Mittelsten Sheid O., Revenkova E., Di Sansebastiano G., Wohlmuth M. « Homologous recombination in plants » 1995; Annual report FMI, 85-87 ; Basel, Switzerland.
- Paszowski J., Afsar K., Albinsky D., Bogucki A., Bellotto M., Dieguez M.J., Lebel E.G., Masson J., Mittelsten Sheid O., Revenkova E., Di Sansebastiano G., Wohlmuth M. « Homologous recombination in plants- Isolation and characterization of Arabidopsis mutants hypersensitive to DNA damage » 1994; Annual report FMI, 84-87 ; Basel, Switzerland.
- Bisson N., Semino O., Di Sansebastiano G., Catalano A.L., Cristofalo C., Santachiara Benerecetti S., Giulotto E. « Controllo della parentela nel cavallo attraverso l'analisi del DNA genomico ipervariabile e del DNA mitocondriale » 1991; *Atti del XXVI simposio internazionale di zootecnia: Equine reproduction and breeding today in Europe and developing countries*. Milano; 89-100

Recent invited lectures

- 2nd EUGLOH Plant Science Meeting - 6° Encontro em Biologia Funcional e Biotecnologia de Plantas. 2nd /3rd November 2022. <https://www.eugloh.eu/events/1st-eugloh-plant-science-meeting-2>
- Crop Genomics and Breeding by Design. 6th December 2022. ELSEVIER and Zhejiang University Academic Forum.
- Di Sansebastiano GP " The study of compartmentalization and traffic in plant cells" International Conference on Plant Physiology and Biotechnology (ICPPB-2021) 10-12 September, 2021. <https://conferences.lpu.in/icppb/#:~:text=Department%20of%20Molecular%20Biology%20and,from%2010%2D12%20September%202021.>

Proceedings

- De Caroli, M; Lenucci, Ms; Di Sansebastiano, Gp; Tunno, M; Montefusco, A; Dalessandro, G; Piro, G. The chimera AtCslA2-GFP is functionally inserted into Golgi membrane and synthesises β -mannans- International Plant Science Conference (IPSC) from nature to biotechnological exploitations 2-5 september 2014 Florence, Italy
- Di Sansebastiano GP, Latino A, Di Barbora D, Rizzello F, Durante M., Caretto S, De Paolis A, Piro G, Mita G. Exploring Artemisia annua cell compartmentalization engineering. EUROPEAN BIOTECHNOLOGY CONGRESS 15-18 May 2014, Lecce -Italy (European Biotechnology Thematic Network Association ETBNA)
- Di Sansebastiano GP "AtSYP51/52 show functional specificity in the post-Golgi traffic and act as i-SNAREs on tonoplast". ENPER (Europeran Network of Plant Endomembrane Research) annual meeting, 29-31 August 2012, Madrid (Spain)
- Latino A, Di Sansebastiano GP "Exploring the role of SNAREs in the definition of endocytic compartments". ENPER (Europeran Network of Plant Endomembrane Research) annual meeting, 27-30 August 2013, Ghent (Belgium)
- Di Sansebastiano GP: THE PLANT SECRETORY SYSTEM AND ITS STRATEGIES TO RESPOND TO ALL NEEDS: new mechanisms to maintain compartmentalization. 108° Congresso della Società Botanica Italiana. 26-29 settembre 2013, Balsega di Pinè, Trento (Italia)
- Faraco M, De Benedictis M, Di Sansebastiano GP, Dalessandro G "Protoplasti da petalo di P. hybrida come nuovo sistema sperimentale per lo studio del complesso vacuolare."- Riunione annuale dei Gruppi di Lavoro di: Biologia Cellulare Molecolare e Biotecnologie e Differenziamento. 16-18/06/2010 Lecce (Italia)
- De Benedictis M, Faraco M, Di Sansebastiano GP, Dalessandro G. "Ruolo della famiglia genica SYP5 nel trasporto vacuolare."- Riunione annuale dei Gruppi di Lavoro di: Biologia Cellulare Molecolare e Biotecnologie e Differenziamento; 16-18/06/2010, Lecce (Italia)
- Faraco M, Di Sansebastiano GP, Spelt K, Koes R, Quattrocchio F "Petunia hybrida as new experimental system to study vacuole organization" ENPER 2009, Montpellier

- Faraco M., Di Sansebastiano G.P., Spelt K., Koes R., Quattrocchio F. Specific P-ATPases and SNAREs define a new sub-compartment devoted to pH regulation. 11th World Petunia days 25-28 Sept. 2010 Lyon
- G.P. Di Sansebastiano, R.U. Rehman, S. Rinalducci, L. Zolla, G. Dalessandro (2007) A comparative study of SYP121 and SYP122 role in cell wall deposition through a combined microscopic and proteomic approach. P.258; XI Cell Wall Meeting; Copenhagen 12-17 August. In *Physiologia Plantarum* 130 (4).
- G.P. Di Sansebastiano, F. Sbrana, L. Sticher, E. Stigliano, S. De Domenico, M. Gigante, G. Piro, G. Dalessandro. Sorting of two GFP-tagged syntaxins, SYP121 and SYP122. XV FESPB congress; 17-21 July 2006 Lyon
- R.U. Rehman, E. Stigliano, G. Lycett, L. Sticher, G. Dalessandro, G.P. Di Sansebastiano. Exocytosis: the role of Rab11. XV FESPB congress; 17-21 July 2006 Lyon
- Mita G., Quarta A., De Paolis A., Fasano P., Di Sansebastiano G.P., Iannacone R., Santino A. (2005). Characterisation of an almond 9-hydroperoxide lyase targeted to lipid bodies. XLIX S I G A Annual Congress. Potenza September 12/15
- Mita G., Quarta, A., Fasano, P., Di Sansebastiano, G. P., Iannacone, R., De Paolis, A. and Santino, A. (2004). Oxylin metabolism in almond seed development. XLVIII S I G A Annual Congress. September 15/18, Lecce - Italy.
- G.P. Di Sansebastiano, L. Renna, M. Gigante, M. De Caroli, G. Piro, G. Dalessandro. Green Fluorescent protein reveals variability in proteolytic activity and organization of vacuoles in three plant species. 7th European Plant Endomembrane Meeting; September 8 - 10th, 2004. Centre Du Louverain ; Les Geneveys-sur-Coffrane (Switzerland)
- Fleuckiger R, Mauch-Mani B, Di Sansebastiano G, Neuhaus JM. Changes of the vacuole system in transformed *Arabidopsis* exposed to abiotic and biotic stresses. SEB Symposium MEMBRANE TRAFFICKING IN PLANTS 23-26 August 2003 Glasgow UK
- G-P Di Sansebastiano; M R Leucci; M Gigante; G Piro; M R Blatt; G Dalessandro. Protein secretion through the default pathway is different from the constitutive secretion of cell wall polysaccharides. SEB Symposium MEMBRANE TRAFFICKING IN PLANTS 23-26 August 2003 Glasgow UK
- G-P Di Sansebastiano; L Renna; G Piro; G Dalessandro. Stubborn GFPs in *Nicotiana tabacum* vacuoles. SEB Symposium MEMBRANE TRAFFICKING IN PLANTS 23-26 August 2003 Glasgow UK
- Blatt MR, Moore I, Batoko H, Di Sansebastiano GP, Leyman B, Geelen D Integrating control of ion channels and cell volume in guard cell signalling *BIOPHYSICAL JOURNAL* 82 (1): 616A-616A 3011 Part 2, 46th Annual Meeting, February 23-27, 2002, San Francisco, California.
- Di Sansebastiano G-P., Kargul J., Leyman B., Geelen D. and Blatt M. "In vivo localization of tobacco Syntaxin 1" 2000 ; SEB, Plant transport group Meeting ; Hatfield (London), United Kingdom.
- Humair D., Paris N., Di Sansebastiano G.P. and J.M. Neuhaus "Evidence of in vivo interaction in yeast between a plant vacuolar sorting receptor and the vacuolar sorting propeptide of a plant protease" 1999, International meeting on Transport of Proteins and Membranes in Eukaryotic Cells; Gottingen, Germany.
- Di Sansebastiano G.P., Paris N., Marc-Martin S., Neuhaus J-M. « Different sensitivity to Brefeldin A of two vacuolar sorting signals » 1999; 6th International Botanical Microscopy Meeting Plant Cell Biology; Royal Microscopical Society. St Andrews, UK.
- Di Sansebastiano G.P., Paris N., Marc-Martin S., Neuhaus J-M. « Visualization of protein trafficking to different vacuoles in plant cells » 1998 ; *Biology of the Cell*, Volume: 90, Issue: 3, June, pp. 281 Abstract Trinoculaire'98 des Microscopies, Strasbourg-Illkirch, France, 1-3 July 1998.
- Grieco F., Castellano M.A., Di Sansebastiano G.P., Maggipinto G., Neuhaus J.M. and Martelli G.P. « In situ and in vivo subcellular localization of olive latent Oleavirus 2 putative movement protein » 1998; Plasmodesmata and transport of plant viruses and plant macromolecules. Madrid, Spain.
- Neuhaus J.M., Di Sansebastiano G.P., Marc-Martin S. and Paris N. « Intracellular sorting of soluble and membrane proteins analysed by fusion to Rat Glucuronidase or GFP » 1997; V international congress of Plant Molecular Biology, ISPMB, Singapore.
- Di Sansebastiano G.P., Paris N., Marc-Martin S., Neuhaus J-M. » Targeting of GFP to a subset of vacuoles in tobacco protoplasts » 1997; *The Plant Secretory System: Mechanisms, Pathways and Applications in Biotechnology*. University of York, York, UK.
- Castiglione S., Wang G., Bandi C., Bolognesi A., Bisoffi S., Di Sansebastiano G. & Sala F. « Comparison between RAPD and RFLP for taxonomic studies in the genera *Populus* and *Malus* » 1994; VIII international congress florence on plant tissue and cell culture, Firenze, Italy.
- Giulotto E. , Bisson N. , Semino O. , Vergnaud G. , Brega A. , Di Sansebastiano G. , Santachiara Benerecetti S. « DNA polymorphism in horse identification » 1992; 43° Annual Meeting of the European Association for animal production, Madrid, Spain.
- Giulotto E. , Di Sansebastiano G. , Vergnaud G. , Bisson N. « Minisatellite DNA in the Horse » 1992; II International Conference on DNA fingerprinting, Belo Horizonte, Brasil.
- Bisson N. , Semino O. , Di Sansebastiano G. , Catalano A. L. , Cristofalo C. , Santachiara Benerecetti S. , Giulotto E. « Controllo della parentela nel cavallo attraverso l'analisi del DNA genomico ipervariabile e del Mitocondriale » 1991; XXVI Simposio Internazionale di Zootecnia, Milano, Italia.

Contributi a Congressi Nazionali

- Barozzi F, Grasso D, Dalessandro G, Piro G, Di Sansebastiano GP. - Localization and possible function of aquaporin NIP1;1. Riunione del Gruppo di Lavoro di "Biologia Cellulare e Molecolare" della Società Botanica Italiana, Roma Tor Vergata, 10-12/06/2015
- Barozzi F, Grasso D, Dalessandro G, Piro G, Di Sansebastiano GP. - Localizzazione e possibili funzioni dell'aquaporina NLM1. Incontro annuale della Società Botanica Italiana, Sezione Regionale Pugliese Università degli Studi di Bari "Aldo Moro", Centro Polifunzionale Bari, 30/01/2015
- Di Sansebastiano GP, Faraco M, , Dalessandro G "Studio "in vivo" della specificità delle SNARE" Riunione scientifica della Società Botanica Italiana, 18/01/2008 Lecce.
- S. De Domenico, G. Panico, A. Santino, J-M. Neuhaus, G. Dalessandro, G.P. Di Sansebastiano. Sviluppo di una proteina reporter bivalente, marker della glicosilazione e fluorescente, utilizzabile come TAG in studi sulla topografia di diverse proteine di membrana. Settembre 2007; 102° Congresso della Società Botanica Italiana, Palermo, Italia.
- G-P. Di Sansebastiano, R. U. Rehman, E. Stigliano, G. Dalessandro. Caratterizzazione in vivo del ruolo di Rab11 nel processo di esocitosi. S.B.I. : Riunione Annuale dei Gruppi di lavoro di Biologia Cellulare e Molecolare e di Biotecnologie e Differenziamento. 26-28 Giugno 2006 Alessandria, Italia.
- Di Sansebastiano G-P., Cosi G., Dalessandro G., « Nuova strategia per la produzione di proteine glicosilate d'uso biomedico in cellule vegetali ». 20-23 Settembre 2005; 100° Congresso della Società Botanica Italiana, Roma, Italia.
- Di Sansebastiano G-P., De Caroli M., Piro G., Dalessandro G. « Distribuzione del complesso vacuolare in tessuti d'Arabidopsis visualizzato con l'utilizzo di GFP chimeriche » Settembre 2002; 97° Congresso della Società Botanica Italiana, Lecce, Italia.
- Di Sansebastiano G-P., Renna L., De Caroli M., Piro G., Dalessandro G. « Differenze fra i sistemi vacuolari di Nicotiana tabacum e Arabidopsis thaliana » Settembre 2002; 97° Congresso della Società Botanica Italiana, Lecce, Italia.
- Di Sansebastiano G-P., Piro G., Leucci M. R., De Caroli M., Dalessandro G. « Distribuzione del complesso vacuolare in tessuti d'Arabidopsis, visualizzato con l'utilizzo di GFP chimeriche » Giugno 2001; 96° Convegno della Società Botanica Italiana, Verona, Italia.
- Leucci M. R., Di Candia T., Di Sansebastiano G-P., Piro G., Dalessandro G. « Biosintesi dei polisaccaridi di parete in piante di tabacco » 2001 ; Riunione Annuale dei Gruppi di lavoro di Biologia Cellulare e Molecolare e di Biotecnologie e Differenziamento, Roma, Italia.
- Di Sansebastiano G-P., Gigante M., Leucci M.R., Piro G., Dalessandro G. « Glicosilazioni : pietre miliari sulla via di secrezione nelle piante » 2001 ; Riunione Annuale dei Gruppi di lavoro di Biologia Cellulare e Molecolare e di Biotecnologie e Differenziamento, Roma, Italia.
- Revenkova E., Di Sansebastiano G., Masson J., Paszkowski J. « Isolation and characterization of Arabidopsis mutants hypersensitive to DNA damage » 1995; Annual meeting FMI, Basel, Switzerland.
- Di Sansebastiano G., Castiglione S., Wang G., Sansavini S., Pancaldi M., Sala F. « Marcatori RAPD ed RFLP per l'identificazione e per studi tassonomici di varietà coltivate di melo (Malus spp.). » 1994; Tecnologie avanzate per l'identificazione varietale e il controllo genetico -sanitario nel vivaismo fruttivendolo (AGRO-BIO-FRUT), Cesena, Italia. 6/5/1994: 115-122.

More than 20 formal oral presentations at international meetings.