

CURRICULUM VITAE

Name : PRATSINIS HARRIS (CHARALAMPOS)
Date and place of birth: February 9th, 1965, Athens, Greece
Address : Institute of Biosciences & Applications (ex-Institute of Biology), NCSR "Demokritos", 153 10 Athens, Greece
Telephone : +30 210 650 3572 & +30 210 650 3561
Fax : +30 210 651 1767
E-mail : hprats@bio.demokritos.gr

Studies and professional experience :

1976 – 1982 : Attended the "Varvakios Modal School".
1982 – 1989 : Studies in the National and Kapodistrian University of Athens, Faculty of Natural Sciences, School of Chemistry. Diploma in Chemistry.
1990 – 1999: Ph.D. Thesis in the National and Kapodistrian University of Athens, Faculty of Natural Sciences, School of Biology; Title: "Proliferative response of human fibroblasts to exogenous and endogenous growth factors" (grade: "Excellent").
1994 – 1995 : Completed his military service in the Greek Army.
1993 – 2001: Research Associate in the Department of Pathology, Medical School, National and Kapodistrian University of Athens (Responsible of the Cell Culture Facilities).
1997 : Training in Imperial College School of Medicine at St. Mary's Hospital, Department of Clinical Pharmacology and Therapeutics, London, UK.
1999 – 2007: Post-doctoral Fellow in the Laboratory of Cell Proliferation & Ageing, Institute of Biology, NCSR "Demokritos".
2008 – 2012: Assistant researcher in the Laboratory of Cell Proliferation & Ageing, Institute of Biology, NCSR "Demokritos".
2012 – 2017: Researcher in the Laboratory of Cell Proliferation & Ageing, Institute of Biosciences & Applications, NCSR "Demokritos".
2018 to date: Senior Researcher in the Laboratory of Cell Proliferation & Ageing, Institute of Biosciences & Applications, NCSR "Demokritos".

Distinctions :

- i)** 5-year scholarship from NCSR "Demokritos" (after qualifying exams) for Ph.D. accomplishment (1989)
- ii)** one year scholarship from the Greek State Scholarship's Foundation (IKY) for post-doctoral research (2001)
- iii)** 2-year scholarship from NCSR "Demokritos" for post-doctoral research (2006)
- iv)** Polycratis Praise at the Conference of the Hellenic Society of Plastic and Reconstructive Surgery (2007) for the communication "In vitro studies of human dermal fibroblasts following long-term exposure to high glucocorticoid levels" by **H. Pratsinis**, K. Pilichos, V. Gioni, S. Tsagarakis and D. Kletsas
- v)** Ioannovitch Praise at the 5th Hellenic Conference of Trauma and Ulcer Healing (2011) for the communication "Stress, cell senescence and tissue

homeostasis” by **H. Pratsinis**, A. Dimozi, A. Papadopoulou, M. Lefaki, K. Pilichos, S. Tsagarakis, A. M. Yiacoumettis and D. Kletsas

vi) “Vicky Zachariou” Praise (best oral presentation) at the 5th Hellenic Spine Conference (2011) for the communication “Stimulation of the proliferation of intervertebral disc cells by autocrine and exogenous growth factors through the MEK/ERK and PI3K/AKT signalling pathways” by V. Constantinou, K. Soultanis, K. Pavlakis, **H. Pratsinis**, G. Sapkas and D. Kletsas

Educational activities :

- Post-graduate Master’s Degree “Applications of Biology in Medicine”, Department of Biology, University of Athens (2006-2014), lectures on "Ageing and age-related diseases", lab demonstration on "Methods for studying cell proliferation"
- Post-graduate Master’s Degree “Human neoplasias: Diagnosis, current therapies and research”, First Pathology Laboratory, Medical School, University of Athens (2014-2015), lectures on “Cell culture systems in cancer research”
- Post-graduate Master’s Degree "Molecular Biology Lessons", Chemistry Department, University of Athens (2014-2015), lectures on “Cellular senescence”
- Lecture on "In vitro studies of natural and synthetic bioactive products" in the framework of NCSR "Demokritos" Summer School (July 7, 2016)
- Post-graduate courses on "Signal Transduction" in the Institute of Biology, NCSR "Demokritos" (2009), course entitled "Regulation of Cell Proliferation - Senescence"
- Member of the examination committee of the Ph.D. thesis "Identification of secondary metabolites in Greek flora herb infusions and assessment of their bioactivities" by D. Kogiannou, supervisor: Prof. N. Kalogeropoulos, Dept. of Nutrition and Dietetics, Harokopio University of Athens (2016)
- Member of the examination committee for the selection of the Ph.D. fellows of the Institute of Biology, NCSR “Demokritos” (2008-2010)
- Seminar supervisor of the post-graduate Ph.D. fellows of the Institute of Biology, NCSR “Demokritos” (2009-2010)
- Member of the advisory committees of the Ph.D. fellows Anastasia Dimozi (2008-2011) and Alexandros Athanasopoulos (2011-2015)
- Coordinator of educational tours for schools in the Institute of Biosciences & Applications (ex-Biology) NCSR “Demokritos” (2012-to date)

Other activities :

- Member of the Organizing Committee of the 9th Annual Meeting of the Hellenic Research Club for Connective Tissue & Matrix Biology (May 10-12, 2007, Athens).
- Member of the Organizing Committee of the 22nd European Tissue Repair Society Meeting (October 4-5, 2012, Athens).
- Member of the Organizing Committee of the 64th Annual Meeting of the Hellenic Society for Biochemistry and Molecular Biology (December 6-8, 2013, Athens).

- Member of the Organizing Committee of the 66th Annual Meeting of the Hellenic Society for Biochemistry and Molecular Biology (December 11-13, 2015, Athens).
- Reviewer for the journals *American Journal of Orthodontics & Dentofacial Orthopedics*, *Arabian Journal of Chemistry*, *BioMed Research International*, *Computers in Biology and Medicine*, *European Spine Journal*, *Experimental Dermatology*, *International Journal of Molecular Sciences*, *Journal of Aging Research*, *Journal of Functional Foods*, *Journal of Molecular Biochemistry*, *Materials*, *Mechanisms of Ageing and Development*, *Molecules*, *Nutrients*, *PLoS ONE*.
- Independent peer reviewer for the site www.rubriq.com.
- External expert reviewer for Professorships of the Swiss National Science Foundation (SNSF).
- Project Certification for the Greek General Secretary for Research and Technology (GSRT).

Languages : Greek (native), English and German (very good)

Societies : European Tissue Repair Society
Association of Greek Chemists
Hellenic Society for Biochemistry and Molecular Biology

Research Projects

Participation in the proposal and implementation of the following research projects:

- 1995-1997: EU Biomed and Health Research Programme "Concerted Action Programme on Molecular Gerontology" (coordinator Prof. B.F.C. Clark).
- 1996-1998: "Investigation of apoptosis in normal and cancer cells: The role of growth factors" (GSRT PENED '95, coordinator Dr. D. Stathakos).
- 1997-1998: "Investigation of apoptosis in degenerative diseases of human vasculature: The role of cell-cycle regulators" (Joint Research and Technology Project between Greece and Great Britain, coordinator in Greece Dr. D. Kletsas).
- 1998-1999: Pharmacia & Upjohn (Hellas): "A pilot study of growth hormone deficient adults before and during GH-replacement, in terms of cellular replicative capacity" (coordinator Dr. D. Stathakos).
- 1998-1999: "Novel drug development with selectivity for hormone-dependent gynecologic tumors" (GSRT PAVE, coordinator Prof. A.-L. Skaltsounis)
- 1998-2000: "Greek centenarians: Their life style and health parameters" (GSRT EPET II, coordinator Dr. D. Stathakos).
- 1999-2001: "The role of mitochondria and growth factors in apoptosis during aging" (Joint Research and Technology Project between Greece and Russia, coordinator in Greece Dr. D. Kletsas).
- 1999-2000: "Molecular mechanisms of aging and longevity" (GSRT PENED '99, coordinator Dr. S. Gonos).
- 2000: Participation in the Network "Environmental estrogens and impact on human health"

- 2001-2002: "Development of biologically active products with antimicrobial and wound healing activities based on traditional medicinal plants" (GSRT PAVET 2000, collaboration with Lavipharm S.A.).
- 2001-2002: "Development of an *in vitro* model for the prognosis of atheromatic plaque rupture in hypercholesterinaemic patients and for the study of atherosclerosis inhibitors" (Joint Research and Technology Project between Greece and Cyprus, coordinator in Greece Dr. D. Kletsas).
- 2003-2005: "Intervertebral disc degeneration: Interplay of ageing, physical and genetic factors" (EURODISC, EU Shared-cost RTD project, coordinator Dr. J. Urban – coordinator in Greece Dr. D. Kletsas).
- 2006-2007: "Exploitation of Greek natural products with anti-ageing activity" (GSRT PAVET 2005, coordinator Korres Natural Products S.A.).
- 2007-2008: "Delineating the senescence phenotype: New targets for anti-ageing therapy" (GSRT, Scientific and technological cooperation between RTD Organizations in Greece and U.S.A, coordinator in Greece Dr. D. Kletsas).
- 2006-2008: "Senescence of intervertebral disc cells" (AO Research Fund grant, coordinator Dr. D. Kletsas).
- 2007-2009: "Living Bioreactor – Growing a new joint in a human back" (MyJoint, EU FP7 NEST project, coordinator Prof. Patrick Warnke – coordinator in Greece Dr. D. Kletsas).
- 2008-2012: "Disc-degeneration linked pathologies: novel biomarkers and diagnostics for targeting treatment and repair" (GENODISC, EU FP7-HEALTH-2007-A, coordinator Dr. J. Urban – coordinator in Greece Dr. D. Kletsas).
- 2010-2011: "Investigation of the effect of neonatal fibroblasts on the pro-inflammatory phenotype of senescent cells" (Organogenesis, Inc., USA, coordinator Dr. D. Kletsas).
- 2010-2014: "From Biodiversity to Chemodiversity: Novel Plant Produced Compounds with Agrochemical and Cosmetic interest" (AgroCos, EU FP7-KBBE-2009-3, coordinator Prof. A.-L. Skaltsounis).
- 2012-2014: Member of the Research Team in the project "Intracellular cross-talk between ER α / β , EGF and IGF receptors in development and progression of breast cancer: functional properties, expression of matrix macromolecules, proteasome activity and induction of EMT (BioCancerTalk)" (GSRT THALES project, coordinator Prof. N.K. Karamanos).
- 2012-2015: Member of the Research Team in the project "Bioactive Natural Products of Marine-derived Actinobacteria from East Mediterranean Deep-sea Sediments (BIOMARACT)" (GSRT Excellence project, coordinator Prof. V. Roussis)
- 2013-2015: Member of the Research Team in the project "Target Identification for Disease Diagnosis and Treatment (DIAS)" (GSRT KRIPIS project, MIS 448325, coordinator Dr. E.P. Tsilibary)
- 2013-2015: Member of the Research Team in the project "Application of state-of-the-art green technology for the development of high added value cosmeceuticals based on the Greek flora (ENGAGE)" (GSRT Cooperation 2011 project, coordinator Korres Natural Products S.A.)
- 2015-2019: "Matrix glycans as multifunctional pathogenesis factors and therapeutic targets in cancer" (GLYCANC, EU H2020-MSCA-RISE-2014, coordinator Prof. Martin Götte – coordinator in Greece Dr. D. Kletsas).
- 2017-2020: Member of the Research Team in the project "Target Identification and Development of Novel Approaches for Health and Environmental Applications (SANITURA)" (GSRT KRIPIS project, MIS 5002514, coordinator Dr. D. Kletsas).

2017-2020: Member of the Research Team in the project " A Greek Research Infrastructure for Visualizing and Monitoring Fundamental Biological Processes (BioImaging-GR)" (GSRT, MIS 5002755, coordinator Prof. N. Tavernarakis).

2017-2020: Member of the Research Team in the project "An Open-Access Research Infrastructure of Chemical Biology and Target-Based Screening Technologies for Human and Animal Health, Agriculture and the Environment (OPENSREEN-GR)" (GSRT, MIS 5002691, coordinator Dr. D. Kletsas).

Publications in peer-reviewed journals :

1. **Pratsinis H**, Kletsas D, Stathakos D (1997) "Autocrine growth regulation in fetal and adult human fibroblasts" *Biochem. Biophys. Res. Commun.* **237**: 348-353.
2. **Pratsinis H**, Saetta A, Gagos S, Davaris P (1998) "Isolation and characterization of a novel bladder cancer cell line" *In Vitro Cell. Dev. Biol. - Animal* **34**: 722-728.
3. Kletsas D, **Pratsinis H**, Zervolea I, Handris P, Sevaslidou E, Ottaviani E, Stathakos D (2000) "Fibroblast responses to exogenous and autocrine growth factors relevant to tissue repair: The effect of ageing" *Ann. N.Y. Acad. Sci.* **908**: 155-166.
4. **Pratsinis H**, Demoliou-Mason C, Hughes A, Kletsas D (2000) "A novel in vitro model of conditionally immortalized human vascular smooth muscle cells: a tool for ageing studies" *Ann. N.Y. Acad. Sci.* **908**: 321-323.
5. Tsagarakis S, Tsigos C, Vassiliou V, Tsiotra P, **Pratsinis H**, Kletsas D, Trivizas P, Nikou A, Mavromatis T, Sotsiou F, Raptis S, Thalassinou N (2001) "Food-Dependent Androgen and Cortisol Secretion by a Gastric Inhibitory Polypeptide-Receptor Expressive Adrenocortical Adenoma Leading to Hirsutism and Subclinical Cushing's Syndrome: *In Vivo* and *In Vitro* Studies" *J. Clin. Endocr. Metab.* **86**: 583-589.
6. Magiatis P, **Pratsinis H**, Kalpoutzakis E, Konstantinidou A, Davaris P, Skaltsounis A-L (2001) "Hydrolyzable tannins, the active constituents of three greek *Cytinus* taxa against several tumor cell lines" *Biol. Pharm. Bull.* **24**: 707-709.
7. Kasiotis CM, Magiatis P, **Pratsinis H**, Skaltsounis A-L, Abadji V, Charalambous A, Moutsatsou P, Haroutounian SA (2001) "Synthesis and biological evaluation of novel daunorubicin-estrogen conjugates" *Steroids* **66**: 785-791.
8. **Pratsinis H**, Haroutounian SA (2002) "Synthesis and antioxidant activity of 3-substituted guaiazulene derivatives" *Nat. Prod. Lett.* **16**: 201-205.
9. Kolokythas G, Kostakis I, Pouli N, Marakos P, Skaltsounis AL, **Pratsinis H** (2002) "Design and Synthesis of Some New Pyranoxanthenone Aminoderivatives with Cytotoxic Activity" *Bioorg. Med. Chem. Lett.* **12**: 1443-1446.
10. Gonos ES, Agrafiotis D, Dontas AS, Efthimiopoulos S, Galaris D, Karamanos NK, Kletsas D, Kolettas E, Panayotou G, **Pratsinis H**, Sekeri-Pataryas KE, Simoes D, Sourlingas TG, Stathakos D, Stratigos AJ, Tavernarakis N, Trougakos IP, Tsiganos CP, Vynios DH (2002) "Ageing research in Greece" *Exp. Gerontol.* **37**: 735-747.
11. Kostakis IK, Magiatis P, Pouli N, Marakos P, Skaltsounis A-L, **Pratsinis H**, Léonce S, Pierré A (2002) "Design, Synthesis and Antiproliferative Activity, of some New Pyrazole Fused Aminoderivatives of the Pyranoxanthenone, Pyranothioxanthenone and Pyranoacridone Ring Systems: A New Class of Cytotoxic Agents" *J. Med. Chem.* **45**: 2599-2609.
12. Harvala E, Aligiannis N, Skaltsounis A-L, **Pratsinis H**, Lambrinidis G, Harvala C, Chinou I (2002) "Cytotoxic Germacranolides from *Inula verbascifolia* subsp. *methanea*" *J. Nat. Prod.* **65**: 1045-1048.
13. Aligiannis N, Pouli N, Marakos P, Skaltsounis A-L, **Pratsinis H** (2002) "Synthesis and cytotoxic activity of a new potent daunomycinone derivative" *Bioorg. Med. Chem. Lett.* **12**: 3505-3507.

14. **Pratsinis H**, Tsagarakis S, Zervolea I, Giannakopoulos F, Stathakos D, Thalassinos N, Kletsas D (2002) "Chronic in vivo exposure to glucocorticoids prolongs cellular lifespan: the case of Cushing's syndrome-patients' fibroblasts" *Exp. Gerontol.* **37**: 1237-1245.
15. Fokialakis N, Magiatis P, Mitaku S, **Pratsinis H**, Tillequin F, Sévenet T (2003) "Estrogenic activity of phenylpropanoids from *Sarcomelicope megistophylla* and structure determination of a new norneolignan" *Planta Med.* **69**: 566-568.
16. Kolokythas G, Kostakis IK, Pouli N, Marakos P, Kletsas D, **Pratsinis H** (2003) "Synthesis and cytotoxic activity of some new aza-pyranoxanthone aminoderivatives" *Bioorg. Med. Chem.* **11**: 4591-4598.
17. Koullias GJ, **Pratsinis CI**, Korkolis DP, Kouraklis G, Papadopoulos SA, Davaris PS, Golematis BC (2003) "Brief tamoxifen pre-treatment enhances the chemosensitivity of gastric carcinoma cells to 5-fluorouracil in vitro" *Anticancer Res.* **23**: 1575-1580.
18. Eliades T, **Pratsinis H**, Kletsas D, Eliades G, Makou M (2004) "Characterization and cytotoxicity of ions released from stainless steel and nickel-titanium orthodontic alloys" *Am. J. Orthod. Dentofacial Orthop.* **125**: 24-29.
19. Fokialakis N, Lambrinidis G, Mitsiou DJ, Aligiannis N, Mitakou S, Skaltsounis A-L, **Pratsinis H**, Mikros E, Alexis MN (2004) "A New Class of Phytoestrogens: Evaluation of the Estrogenic Activity of deoxybenzoins" *Chem. Biol.* **11**: 397-406.
20. **Pratsinis H**, Giannouli CC, Zervolea I, Psarras S, Stathakos D, Kletsas D. (2004) "Differential proliferative response of fetal and adult human skin fibroblasts to TGF- β " *Wound Rep. Reg.* **12**: 374-383.
21. Athanasas K, Magiatis P, Fokialakis N, Skaltsounis A-L, **Pratsinis H**, Kletsas D (2004) "Hyperjovinols A and B: two new phloroglucinol derivatives from *Hypericum jovis* with antioxidant activity in cell cultures" *J. Nat. Prod.* **67**: 973-977.
22. Kletsas D, **Pratsinis H**, Mariatos G, Zacharatos P, Gorgoulis VG (2004) "The pro-inflammatory phenotype of senescent cells: the p53-mediated ICAM-1 expression" *Ann. N.Y. Acad. Sci.* **1019**: 330-332.
23. Papoutsis Z, Kassi E, Papaevangelidou D, **Pratsinis H**, Zoumpourlis V, Halabalaki M, Mitakou S, Kalofoutis A, Moutsatsou P (2004) "Plant 2-arylobenzofurans demonstrate a selective estrogen receptor modulator profile" *Steroids* **69**: 727-734.
24. Gorgoulis VG, **Pratsinis H**, Zacharatos P, Demoliou C, Sigala F, Asimacopoulos PJ, Papavassiliou AG, Kletsas D (2005) "p53-Dependent ICAM-1 Over-Expression In Senescent Human Cells. Their Identification In Atherosclerotic Lesions." *Lab. Investigation* **85**: 502-511.
(The two first authors have contributed equally)
25. Zervolea I, **Pratsinis H**, Tsagarakis S, Karavitaki N, Stathakos D, Thalassinos N, Kletsas D (2005) "The impact of chronic in vivo glucocorticoid excess on the functional characteristics of human skin fibroblasts obtained from patients with endogenous Cushing's syndrome." *Eur. J. Endocrinol.* **152**: 895-902.
(The two first authors have contributed equally)
26. Stathakos D, **Pratsinis H**, Zachos I, Vlahaki I, Gianakopoulou A, Zianni D, Kletsas D (2005) "Greek centenarians: Assessment of functional health status and life style characteristics." *Exp. Gerontol.* **40**: 512-518.
27. Kostakis IK, Tenta R, Pouli N, Marakos P, Skaltsounis AL, **Pratsinis H**, Kletsas D (2005) "Design, synthesis, and antiproliferative activity of some novel aminosubstituted

- xanthenones, able to overcome multidrug resistance toward MES-SA/Dx5 cells." *Bioorg. Med. Chem. Lett.* **15**: 5057-5060.
28. Psarras S, Volonaki E, Skevaki CL, Xatzipsalti M, Bossios A, **Pratsinis H**, Tsigkos S, Gourgiotis D, Constantopoulos AG, Papapetropoulos A, Saxoni-Papageorgiou P, Papadopoulos NG (2006) "Vascular endothelial growth factor-mediated induction of angiogenesis by human rhinoviruses." *J. Allergy Clin. Immunol.* **117**: 291-297.
 29. Kundakovic T, Fokialakis N, Dobric S, **Pratsinis H**, Kletsas D, Kovacevic N, Chinou I (2006) "Evaluation of the Anti-inflammatory and Cytotoxic Activities of Naphthazarine Derivatives from *Onosma leptantha*" *Phytomedicine* **13**: 290-294.
 30. Kolokythas G, Pouli N, Marakos P, **Pratsinis H**, Kletsas D. (2006) "Design, synthesis and antiproliferative activity of some new azapyranoxanthenone aminoderivatives." *Eur. J. Med. Chem.* **41**: 71-79.
 31. Kostakis IK, Pouli N, Marakos P, Skaltsounis AL, **Pratsinis H**, Kletsas D (2006) "Design and synthesis of novel aminosubstituted xanthenones and benzo[*b*]xanthenones: Evaluation of their antiproliferative activity and their ability to overcome multidrug resistance towards MES-SA/Dx5 cells." *Bioorg. Med. Chem.* **14**: 2910-2934.
 32. Halabalaki M, Alexi X, Aligiannis N, Lambrinidis G, **Pratsinis H**, Florentin I, Mitakou S, Mikros E, Skaltsounis AL, Alexis MN (2006) "Estrogenic Activity of Isoflavonoids from *Onobrychis ebenoides*." *Planta Med.* **72**: 488-493.
 33. Konstantopoulou MA, **Pratsinis H**, Kletsas D, Mazomenos BE (2006) "Pheromone binding protein and general odorant binding protein of *Sesamia nonagrioides* (Lepidoptera: Noctuidae): Sex and diel dependent expression." *Entomologia Experimentalis et Applicata* **119**: 129-136.
 34. Hadjipavlou C, Kostakis IK, Pouli N, Marakos P, **Pratsinis H**, Kletsas D (2006) "Synthesis and antiproliferative activity of substituted benzopyranoisoindoles: A new class of cytotoxic compounds." *Bioorg. Med. Chem. Lett.* **16**: 4822-4825.
 35. **Pratsinis H**, Tsagarakis S, Zervolea I, Stathakos D, Thalassinos N, Kletsas D (2006) "The Unexpected Anabolic Phenotype and Extended Longevity of Skin Fibroblasts after Chronic Glucocorticoid Excess." *Dose-Response* **4**: 133-144.
 36. Papadimitriou K, **Pratsinis H**, Nebe-von-Caron G, Kletsas D, Tsakalidou E (2006) "Rapid assessment of the physiological status of *Streptococcus macedonicus* by flow cytometry and fluorescence probes." *Int. J. Food Microbiol.* **111**: 197-205.
 37. Papadimitriou K, **Pratsinis H**, Nebe-von-Caron G, Kletsas D, Tsakalidou E (2007) "Acid tolerance of *Streptococcus macedonicus* assessed by flow cytometry and single cell sorting." *Appl. Environ. Microbiol.* **73**: 465-476.
 38. Metwally K, **Pratsinis H**, Kletsas D (2007) "Pyrimidino[4,5-*c*]quinolin-1(2H)-ones as a novel class of antimetabolic agents: synthesis and in vitro cytotoxic activity." *Eur. J. Med. Chem.* **42**: 344-350.
 39. Kletsas D, **Pratsinis H**, Gioni V, Pilichos K, Yiacooumettis AM, Tsagarakis S (2007) "Prior chronic in vivo glucocorticoid excess leads to an anabolic phenotype and an extension of cellular lifespan of skin fibroblasts in vitro." *Ann. N.Y. Acad. Sci.* **1100**: 449-454.
 40. Kassi E, Papoutsis Z, **Pratsinis H**, Aligiannis N, Manoussakis M, Moutsatsou P (2007) "Ursolic acid, a naturally occurring triterpenoid, demonstrates anticancer activity on human prostate cancer cells." *J. Cancer Res. Clin. Oncol.* **133**: 493-500.

41. Katsanou ES, Halabalaki M, Aligiannis N, Mitakou S, Skaltsounis AL, Alexi X, **Pratsinis H**, Alexis MN (2007) "Cytotoxic effects of 2-arylbenzofuran phytoestrogens on human cancer cells: Modulation by adrenal and gonadal steroids." *J. Steroid Biochem. Mol. Biol.* **104**: 228-236.
42. **Pratsinis H**, Kletsas D (2007) "PDGF, bFGF and IGF-I stimulate the proliferation of intervertebral disc cells in vitro via the activation of the ERK and Akt signaling pathways." *Eur. Spine J.* **16**: 1858-1866.
43. Rabias I, **Pratsinis H**, Drossopoulou G, Fardis M, Maris T, Boukos N, Tsotakos N, Kletsas D, Tsilibary E, Papavassiliou G (2007) "In vitro studies on ultra small superparamagnetic iron oxide nanoparticles coated with gummic acid for T2 MRI contrast agent." *Biomicrofluidics* **1**: 044104.
44. Israilides C, Kletsas D, Arapoglou D, Philippoussis A, **Pratsinis H**, Ebringerová A, Hřibalová V, Harding SE (2008) "In vitro cytostatic and immunomodulatory properties of the medicinal mushroom *Lentinula edodes*." *Phytomedicine* **15**: 512-519.
45. **Pratsinis H**, Kletsas D (2008) "Growth factors in intervertebral disc homeostasis." *Connect. Tissue Res.* **49**: 273-276.
46. Gioka C, Eliades T, Zinelis S, **Pratsinis H**, Athanasiou AE, Eliades G, Kletsas D (2009) "Characterization and in vitro estrogenicity of orthodontic adhesive particulates produced by simulated debonding." *Dent. Mater.* **25**: 376-382.
47. Pasi S, Aligiannis N, **Pratsinis H**, Skaltsounis AL, Chinou IB (2009) "Biologically Active Triterpenoids from *Cephalaria ambrosioides*." *Planta Med.* **75**: 163-167.
48. Eliades T, **Pratsinis H**, Athanasiou AE, Eliades G, Kletsas D (2009) "Cytotoxicity and estrogenicity of Invisalign[®] appliances." *Am. J. Orthod. Dentofacial Orthop.* **136**: 100-103.
49. Kassi E, Sourlingas T, Spiliotaki M, Papoutsi Z, Aligiannis N, **Pratsinis H**, Moutsatsou P (2009) "Ursolic acid triggers apoptosis and bcl-2 downregulation in MCF-7 breast cancer cells." *Cancer Investigation* **27**: 723-733.
50. **Pratsinis H**, Kletsas D, Melliou E, Chinou I (2010) "Antiproliferative activity of Greek Propolis." *J Med. Food* **13**: 286-290.
51. Anastasiadi M, **Pratsinis H**, Kletsas D, Skaltsounis AL, Haroutounian SA (2010) "Bioactive non-coloured polyphenols content of grapes, wines and vinification by-products: Evaluation of the antioxidant activities of their extracts." *Food Res. Int.* **43**: 805-813.
52. Maffeo D, Lampropoulou M, Fardis M, Lazarou YG, Mavridis IM, Mavridou DAI, Urso E, **Pratsinis H**, Kletsas D, Yannakopoulou K (2010) "Novel Polycarboxylated EDTA-Type Cyclodextrins as Ligands for Lanthanide Binding: Study of Their Luminescence, Relaxivity Properties of Gd(III) Complexes, and PM3 Theoretical Calculations." *Org. Biomol. Chem.* **8**: 1910-1921.
53. Levidou G, Saetta AA, Karlou M, Thymara I, **Pratsinis H**, Pavlopoulos P, Isaiadis D, Diamantopoulou K, Patsouris E, Korkolopoulou P (2010) "D-type cyclins in superficial and muscle-invasive bladder urothelial carcinoma: correlation with clinicopathological data and prognostic significance." *J. Cancer Res. Clin. Oncol.* **136**: 1563-1571.
54. Metwally KA, Khalil AA, **Pratsinis H**, Kletsas D (2010). Synthesis, in vitro cytotoxicity, and a preliminary structure-activity relationship investigation of pyrimido[4,5-c]quinolin-1(2H)-ones. *Arch. Pharm.* **343**: 465-472.

55. Chrissouli S, **Pratsinis H**, Velissariou V, Anastasiou A, Kletsas D (2010). Human amniotic fluid stimulates the proliferation of human fetal and adult skin fibroblasts: The roles of bFGF and PDGF and of the ERK and Akt signaling pathways. *Wound Rep. Reg.* **18**: 643-654.
56. **Pratsinis H**, Dimozi N, Pilichos K, Tsagarakis S, Yiacooumettis A, Kletsas D (2011) "Previous chronic exogenous glucocorticoid administration in vivo does not affect functional characteristics and cellular lifespan of human skin fibroblasts in vitro." *Exp. Dermatol.* **20**: 529-531.
57. Kolokythas G, Daniilides K, Pouli N, Marakos P, **Pratsinis H**, Kletsas D (2011) "Design, Synthesis and Cytotoxic Activity Evaluation of New Linear Pyranoxanthone Aminoderivatives." *J. Heterocyclic Chem.* **48**: 927-935.
58. Makropoulou M, Aligiannis N, Gonou-Zagou Z, **Pratsinis H**, Skaltsounis AL, Fokialakis N (2011) "Antioxidant and Cytotoxic Activity of the Wild Edible Mushroom *Gomphus clavatus*." *J. Med. Food* **15**: 216-221.
59. **Pratsinis H**, Constantinou V, Pavlakis K, Sapkas G, Kletsas D (2011) "Exogenous and autocrine growth factors stimulate human intervertebral disc cell proliferation via the ERK and Akt pathways." *J Orthop Res* **30**: 958-964.
(The two first authors have contributed equally)
60. Fokialakis N, Alexi X, Aligiannis N, Siriani D, Meligova AK, **Pratsinis H**, Mitakou S, Alexis MN (2012) "Ester and carbamate ester derivatives of Biochanin A: Synthesis and in vitro evaluation of estrogenic and antiproliferative activities." *Bioorg. Med. Chem.* **20**: 2962-2970.
61. Zampeli D, Papagiannoulis L, Eliades G, **Pratsinis H**, Kletsas D, Eliades T (2012) "In vitro estrogenicity of dental resin sealants." *Pediatr. Dent.* **34**: 312-316.
62. Anastasiadi M, **Pratsinis H**, Kletsas D, Skaltsounis AL, Haroutounian SA (2012) "Grape stem extracts: Polyphenolic content and assessment of their in vitro antioxidant properties." *LWT-Food Sci. Technol.* **48**: 316-322.
63. Skevaki CL, Psarras S, Volonaki E, **Pratsinis H**, Spyridaki IS, Gaga M, Georgiou V, Vittorakis S, Telcian AG, Maggina P, Kletsas D, Gourgiotis D, Johnston SL, Papadopoulos NG (2012) "Rhinovirus-induced basic fibroblast growth factor release mediates airway remodeling features." *Clin. Transl. Allergy* **2**: 14.
64. Metwally K, Khalil A, Sallam A, **Pratsinis H**, Kletsas D, El Sayed K (2013) "Structure-activity relationship investigation of methoxy substitution on anticancer pyrimido[4,5-c]quinolin-1(2H)-ones." *Med. Chem. Res.* **22**: 4481-4491.
65. **Pratsinis H**, Armatas A, Dimozi A, Lefaki M, Vassiliu P, Kletsas D (2013) "Paracrine anti-fibrotic effects of neonatal cells and living cell constructs on young and senescent human dermal fibroblasts." *Wound Rep. Reg.* **21**: 842-851.
66. Kasiotis KM, **Pratsinis H**, Kletsas D, Haroutounian SA (2013) "Resveratrol and related stilbenes: Their anti-ageing and anti-angiogenic properties." *Food Chem. Toxicol.* **61**: 112-120.
67. Neidlinger-Wilke C, Galbusera F, **Pratsinis H**, Mavrogonatou E, Mietsch A, Kletsas D, Wilke H-J (2013) "Mechanical loading of the intervertebral disc – from the macroscopic to the cellular level" *Eur. Spine J.* **23** (Suppl. 3): S333-S343.
68. Armatas AA, **Pratsinis H**, Mavrogonatou E, Angelopoulou MT, Kouroumalis A, Karamanos NK, Kletsas D (2014) "The differential proliferative response of fetal and adult human skin fibroblasts to TGF- β is retained when cultured in the presence of fibronectin or collagen" *Biochim. Biophys. Acta* **1840**: 2635-2642.

(The two first authors have contributed equally)

69. Rabias I, Fardis M, Kehagias T, Kletsas D, **Pratsinis H**, Tsi trouli D, Maris TG, Papavassiliou G (2015) "Novel Synthesis of Ultra-Small Dextran Coated Maghemite Nanoparticles for MRI and CT Contrast Agents via a Low Temperature Co-Precipitation Reaction" *J. Nanosci. Nanotechnol.* **15**: 205-210.
70. Guldbrandsen N, De Mieri M, Gupta M, Liakou E, **Pratsinis H**, Kletsas D, Chaita E, Aligiannis N, Skaltsounis A-L, Hamburger M (2015) "Screening of Panamanian plants for cosmetic properties, and HPLC-based identification of constituents with antioxidant and UV-B protecting activities" *Sci. Pharm.* **83**: 177-190.
71. Metwally K, **Pratsinis H**, Kletsas D (2015) "The antimitotic pyrimido[4,5-c]quinolin-1(2H)-one scaffold: probing substituents in the 3 position" *Med. Chem. Res.* **24**: 2604-2611.
72. Vougiannopoulou K, Angelopoulou MT, **Pratsinis H**, Grougnet R, Halabalaki M, Kletsas D, Deguin B, Skaltsounis A-L (2015) "Chemical and biological investigation of Olive Mill Waste Water secoiridoid lactones" *Planta Med.* **81**: 1205-1212.
73. Georgoutsou-Spyridonos M, Ricklin D, **Pratsinis H**, Perivolioti E, Pirmettis I, Geisbrecht BV, Foukas PG, Lambris JD, Mastellos DC, Sfyroera G (2015) "Attenuation of *S. aureus*-induced bacteremia by human mini-antibodies targeting the complement inhibitory protein Efb" *J. Immunol.* **195**: 3946-3958.
74. **Pratsinis H**, Kletsas D (2015) "Organotypic cultures of intervertebral disc cells: Responses to growth factors and signaling pathways involved" *Biomed Res. Int.* **2015**: 427138.
75. Papachristodoulou A, Tsoukala M, Benaki D, Kostidis S, Gioti K, Aligiannis N, **Pratsinis H**, Kletsas D, Skaltsounis A-L, Mikros E, Tenta R (2016) "Oleuropein is a Powerful Sensitizer of Doxorubicin-mediated Killing of Prostate Cancer Cells and Exerts Its Action via Induction of Autophagy" *J. Cancer Res. Treat.* **4**: 61-68.
76. Brieudes V, Angelis A, Vougiannopoulou K, **Pratsinis H**, Kletsas D, Mitakou S, Halabalaki M, Skaltsounis LA (2016) "Phytochemical Analysis and Antioxidant Potential of the Phytonutrient-Rich Decoction of *Cichorium spinosum* and *C. intybus*" *Planta Med.* **82**: 1070-1078.
77. **Pratsinis H**, Papadopoulou A, Neidlinger-Wilke C, Brayda-Bruno M, Wilke H-J, Kletsas D (2016) "Cyclic tensile stress of human annulus fibrosus cells induces MAPK activation: involvement in pro-inflammatory gene expression" *Osteoarthritis Cartilage* **24**: 679-687.
78. Liakou E, Mavrogonatou E, **Pratsinis H**, Rizou S, Evangelou K, Panagiotou PN, Karamanos NK, Gorgoulis VG, Kletsas D (2016). "Ionizing radiation-mediated premature senescence and paracrine interactions with cancer cells enhance the expression of syndecan1 in human breast stromal fibroblasts: the role of TGF- β " *Aging (Albany NY)* **8**: 1650-1669.
79. Giannouli V, Lougiakis N, Kostakis IK, Pouli N, Marakos P, Skaltsounis A-L, Nam S, Jove R, Horne D, Tenta R, **Pratsinis H**, Kletsas D (2016). "The discovery of new cytotoxic pyrazolopyridine derivatives" *Bioorg. Med. Chem. Lett.* **26**: 5229-5233.
80. Gavriil E-S, Lougiakis N, Pouli N, Marakos P, Skaltsounis A-L, Nam S, Jove R, Horne D, Gioti K, **Pratsinis H**, Kletsas D, Tenta R (2017). "Synthesis and antiproliferative activity of new pyrazolo[3,4-c]pyridines" *Med. Chem.* **13**: 365-374.
81. Metwally K, **Pratsinis H**, Kletsas D (2017). "Novel 2,4- thiazolidinediones: Synthesis, in vitro cytotoxic activity, and mechanistic investigation" *Eur. J. Med. Chem.* **133**: 340-350.
82. Tenta R, Fragopoulou E, Tsoukala M, Xanthopoulou M, Skyrianou M, **Pratsinis H**, Kletsas D (2017). "Antiproliferative Effects of Red and White Wine Extracts in PC-3 Prostate Cancer Cells" *Nutr. Cancer* **69**: 952-961.

83. El-Sayed S, Metwally K, El-Shanawani AA, Abdel-Aziz LM, **Pratsinis H**, Kletsas D (2017). "Synthesis and anticancer activity of novel quinazolinone-based rhodanines" *Chem. Cent. J.* **11**: 102.
84. Mavrogonatou E, **Pratsinis H**, Papadopoulou A, Karamanos NK, Kletsas D (2017). "Extracellular matrix alterations in senescent cells and their significance in tissue homeostasis" *Matrix Biol.* (in press).
85. Metwally K, **Pratsinis H**, Kletsas D, Quattrini L, Coviello V, Motta C, El-Rashedy AA, Soliman ME (2017). "Novel Quinazolinone-based 2,4-Thiazolidinedione-3-acetic acid Derivatives as Potent Aldose Reductase Inhibitors" *Future Med. Chem.* **9**: 2147-2166.

Evaluation of published papers :

- **1685** citations including **116** self-citations, based on the Citation Index of Scopus database (Elsevier B.V.).
- Total impact factor of published papers **262.484** (based on 2017 impact factors).
- Average impact factor per paper **3.201**.
- **h-index: 27** (Scopus), **26** (Web of Science), **29** (Google Scholar)

Publications in proceedings of International Conferences :

1. Kletsas D, **Pratsinis H**, Zervolea I, Stathakos D (1999) "Differential response of fetal and adult human fibroblasts to TGF- β : Interplay with the extracellular matrix" *Wound Rep. Reg.* **7**: A304.
2. **Pratsinis H**, Zervolea I, Kletsas D (2000) "Differential response of fetal and adult human fibroblasts to TGF- β : Mechanistic aspects and interplay with the extracellular matrix" *Wound Rep. Reg.* **8**: A429.
3. Zervolea I, **Pratsinis H**, Kletsas D (2001) "Autocrine regulation of tissue formation by human fibroblasts" *Wound Rep. Reg.* **9**: A421.
4. Psarras S, Hatzipsalti M, Bossios A, **Pratsinis H**, Volonaki E, Kletsas D, Gourgiotis D, Papageorgiou-Saxoni F, Johnston SL, Papadopoulos NG (2002) "Human rhinoviruses stimulate FGF-2 production by the epithelial-mesenchymal trophic unit: Implications for asthma-related airway remodeling" *Am. J. Respir. Crit. Care Med.* **165**: A478.
5. Kletsas D, **Pratsinis H**, Mariatos G, Gorgoulis VG (2003) "On the Pro-Inflammatory Phenotype of Senescent Cells: The p53-mediated ICAM-1 Expression" *Biogerontology* **4** (Suppl. 1): 55.
6. **Pratsinis H**, Zacharatos P, Gorgoulis VG, Kletsas D (2005) "The pro-inflammatory phenotype of senescent human cells: the p53-mediated ICAM-1 over-expression" *FEBS J.* **272**: 71-72.
7. Makropoulou M, Athanasakis G, Aligiannis N, Fokialakis N, Gonou Z, **Pratsinis H**, Skaltsounis A-L (2007) "Bioactive constituents of the edible wild mushrooms *Gomphus clavatus* and *Lactarius salmonicolor*" *Planta Med.* **73** (9): P303.
8. Skevaki C, Psarras S, Volonaki E, **Pratsinis H**, Spyridaki I, Georgiou V, Gaga M, Kafetzis D, Gourgiotis D, Papadopoulos N (2008) "Human rhinovirus induction of fibroblast growth factor production by bronchial epithelial cells mediates stroma cell proliferation: association with airway remodeling in asthma" *Allergy* **63** (Suppl. 88): 130.

9. **Pratsinis H**, Sapkas G, Kletsas D (2008) "Growth factor-stimulation of intervertebral disc cell-proliferation: involvement of pivotal signaling pathways" *FEBS J.* **275 (Suppl. 1)**: 318.
10. Koryllou A, Sourlingas TG, **Pratsinis H**, Patrino-Georgoula M, Pletsa V (2008) "P53-dependent differential sensitivity of lung cancer cell lines to the chemotherapeutic agents *N*-methyl-*N*-nitrosourea and trichostatin A" *FEBS J.* **275 (Suppl. 1)**: 336.
11. Anastasiadi M, **Pratsinis H**, Kletsas D, Skaltsounis AL, Haroutounian SA (2008) "Determination of biologically interesting polyphenols from grapes, wines and vinification byproducts of Greek origin-assessment of their in vitro antioxidant activity" *Planta Med.* **74 (9)**: 1176.
12. Anastasiadi M, **Pratsinis H**, Kletsas D, Theotokatos, SA, Haroutounian SA (2008) "Determination and quantitative analysis of the principal polyphenolic compounds present in stem extracts of native Greek islands grape varieties-assessment of their antioxidant activity in vitro" *Planta Med.* **74 (9)**: 1176-1177.
13. Anastasiadi M, **Pratsinis H**, Kletsas D, Papras A, Panagiotou A, Haroutounian SA (2008) "Changes during ripening in the content of the principal bioactive polyphenols in five Greek native *Vitis vinifera* cultivars" *Planta Med.* **74 (9)**: 1184-1185.
14. Fokialakis N, Aligiannis N, Alexi X, Alexis MN, **Pratsinis H**, Kalpoutzakis E, Skaltsounis AL (2008) "Isolation of bioactive compounds from *Genista halacsyi* (Leguminosae) and evaluation of their estrogenic activity" *Planta Med.* **74 (9)**: 1080-1081.
15. Metwally K, **Pratsinis H**, Kletsas D (2008) "Pyrimido[4,5-c]quinolin-1(2H)-ones as a novel class of antimetabolic agents: Synthesis and in vitro cytotoxic activity" *Planta Med.* **74 (9)**: 1147.
16. **Pratsinis H**, Iconomopoulos S, Neidlinger-Wilke C, Kletsas D (2011) "Effects of cyclic strain on the activation of signaling pathways and the proliferative behaviour of intervertebral disc cells in vitro" *Spine* October 2011 - Volume - Supplement 2011 ISSLS Society Meeting Abstracts SP 52.
17. **Pratsinis H**, Constantinou V, Pavlakis K, Sapkas G, Kletsas D (2011) "Proliferative response of human intervertebral disc cells to exogenous and autocrine growth factors: Involvement of pivotal signaling pathways" *Spine* October 2011 - Volume - Supplement 2011 ISSLS Society Meeting Abstracts SP 51.
18. Dimozi A, Mavrogonatou E, **Pratsinis H**, Kletsas D (2012) "The Role of Exogenous Stresses on the Proliferation of Intervertebral Disk Cells" *Global Spine J* **02**: ST06 (DOI: 10.1055/s-0032-1319869)
19. Chaita E, Aligiannis N, Argyropoulou A, Boka BI, Kalpoutzakis E, **Pratsinis H**, Kletsas D, Gulbrandsen N, Hamburger M, Dumontet V, Pamlard O, Guéritte F, Skaltsounis AL (2012) "Cosmetic properties of plant derived natural products: antioxidant and UV-protection effects" *Planta Med.* **78**: 1066.
20. Fokialakis N, Aligiannis N, Alexi X, Alexis MN, **Pratsinis H**, Kalpoutzakis E, Mitakou S (2012) "Phytoestrogens from *Genista halacsyi* (Leguminosae)" *Planta Med.* **78**: 1225.
21. Mavrogonatou E, **Pratsinis H**, Kletsas D (2012) "The response of intervertebral disc cells to exogenous growth factors toward tissue repair and the role of the extracellular osmolality" *Wound Rep. Reg.* **20**: A102.
22. **Pratsinis H**, Armatas A, Dimozi A, Lefaki M, Vassiliu P, Kletsas D (2012) "Paracrine effects of young neonatal skin cells on senescent fibroblasts: implications for cell-based therapeutic approaches in wound repair" *Wound Rep. Reg.* **20**: A106.

23. **Pratsinis H**, Armatas A, Mavrogonatou E, Gioni V, Karamanos NK, Syrigos K, Kletsas D (2012) "Proliferative response of human fetal and adult lung fibroblasts to TGF- β " *Wound Rep. Reg.* **20**: A106.
24. Chaita E, Aligiannis N, **Pratsinis H**, Kletsas D, Ralli M, Gulbrandsen N, Hamburger M, Dumontet V, Stein D, Fouche G, Gupta M, Skaltsounis A-L (2014) "Anti-tyrosinase, antioxidant and UV-protective agents obtained from natural sources: A high-throughput bioguided approach" *Planta Med.* **80**: P1L151.
25. Vougiannopoulou K, **Pratsinis H**, Grougnet R, Halabalaki M, Kletsas D, Deguin B, Skaltsounis A-L (2014) "Isolation of a hydroxytyrosol lactone conjugate from olive mill waste water with antioxidant activity" *Planta Med.* **80**: P1L58.
26. **Pratsinis H**, Papadopoulou A, Neidlinger-Wilke C, Wilke H-J, Kletsas D (2015) "Cyclic tensile stress of human annulus fibrosus cells induces MAPK activation: involvement in proliferative status and pro-inflammatory gene expression" *FEBS J.* **282 (Suppl. 1)**: 312.
27. Boka VI, Sklirou A, Angelopoulou M, Konstantas A, Argyropoulou A, **Pratsinis H**, Bilalis D, Kalpoutzakis E, Aligiannis N, Kletsas D, Trougakos IP, Ralli M, Skaltsounis A-L (2015) "Development of anti-ageing natural products based on biodiversity of the Greek flora by employing environmentally friendly technologies and anti-ageing biological research" *Planta Med.* **81**: PW_10.
28. Petropoulos AD, Samiotaki M, Koumantou D, Kokkala P, **Pratsinis H**, Georgiadis D, Li G, Maben Z, Stern LJ, Panayotou G, Stratikos E (2016) "Editing the immunopeptidome using a potent ER aminopeptidase 1 inhibitor" *Eur. J. Clin. Invest.* **46**: 106.

Publications in Greek peer-reviewed journals:

1. Rammos KS, Koullias GJ, Hatzibougias JD, **Pratsinis CJ**, Panagopoulos PG (1997) "Immunologic localization of basic fibroblast growth factor receptors in internal mammary artery and saphenous vein grafts" *Hell. J. Cardiol.* **38**: 185-191.
2. **Pratsinis H**, Konstantinidou A, Liaouri A, Kletsas D, Davaris P (2001) "In vitro studies of cell proliferation and cell death for the evaluation of natural products and synthetic compounds" *Epitheor. Klin. Pharm. Pharmakokin.-Int. Ed.* **15**: 163-168.

Book Chapters :

1. Kletsas, D., **Pratsinis, H.**, Zervolea, I., Chandris, P., Giannouli, C., Karakatsanis, I., Sevaslidou, E., and Stathakos, D. (2000) "Alterations in wound healing during development and ageing: Studies at the cellular level" in "Geriatric and Gerontological Issues: The current Greek experience at the dawn of the third millennium", SYNEDRON editions (pp. 350-353).
2. Zachos, I., **Pratsinis, H.**, Kletsas, D., Vlahaki, I., Gianakopoulou, A., Zianni, D., and Stathakos, D. (2002) "A pilot study of Greek centenarians: Their life style and health parameters" in "Contemporary Gerontology and Geriatrics", SYNEDRON editions (pp. 14-22).
3. Nikitovic, D., **Pratsinis, H.**, Berdiaki, A., Gialeli, C., Kletsas, D., and Tzanakakis, G.M. (2012). "Growth factor signaling and extracellular matrix" in "Extracellular Matrix: Pathobiology and Signaling" (N.K. Karamanos, ed.) Walter de Gruyter (Berlin/Boston) pp. 741-762.

4. **Pratsinis, H.**, Mavrogonatou, E., Papadopoulou, A., and Kletsas, D. (2013). "In vitro assessment of biocompatibility for orthodontic materials" in "Research Methods in Orthodontics. A Guide to Understanding Orthodontic Research" (T. Eliades, ed.), Springer-Verlag Berlin Heidelberg, pp. 61-78.
5. **Pratsinis, H.**, Armatas, A., and Kletsas, D. (2013). "Response of fetal and adult cells to growth factors" in "Human fetal tissue transplantation" (N. Bhattacharya, and P. Stubblefield, eds.) Springer-Verlag London, pp. 65-77.
6. **Pratsinis, H.**, and Kletsas, D. (2014). "In Vitro Assay Systems for the Assessment of Oestrogenicity" in "Plastics in Dentistry and Estrogenicity" (T. Eliades, and G. Eliades, eds.) Springer-Verlag London, pp. 79-87
7. **Pratsinis, H.**, and Kletsas, D. (2016). "Growth factors in fetal and adult wound healing" in "Wound Healing Biomaterials, Vol. 1: Therapies and Regeneration" (M. Ågren, ed.) Woodhead Publishing, Elsevier, Berlin Heidelberg, pp. 41-68 (<http://dx.doi.org/10.1016/B978-1-78242-455-0.00002-1>)
8. **Pratsinis, H.**, Mavrogonatou, E., and Kletsas, D. (2017). "TGF- β in development and ageing" in "Hormones in Ageing and Longevity" (S. Rattan, and R. Sharma, eds.) Springer-Verlag Berlin Heidelberg, pp. 127-148 (DOI 10.1007/978-3-319-63001-4)

Patents :

ONOBRYCHIS AND GENISTA DERIVED PRODUCTS FOR THE PREVENTION AND THERAPY OF HORMONE-DEPENDENT DISEASES, Patent Number: 1004825, Date: 23-2-2005, Inventors: HALABALAKI MARIA, FOKIALAKIS NIKOLAOS, SKALTSOUNIS ALEXIOS-LEANDROS, MITAKOU SOFIA, ALIGIANNIS NEKTARIOS, ALEXIS MICHALIS, **PRATSINIS I. CHARALAMPOS**

Use of mastic and its components for the control of microbial infections, Patent number: US2005238740, Publication Date: 27-10-2005, Inventors: FOTINOS SPIROS (GR); PANAITESCU LIGIA (GR); KLETSAS DIMITRIS (GR); **PRATSINIS HARRIS** (GR); ZERVOLEA IRENE (GR); SKALTSOUNIS ALEXIOS-LEANDROS (GR); MITAKOU SOFIA (GR); MAGIATIS PROKOPIOS (GR), Applicant: LAVIPHARM SA (GR)

METHOD FOR THE DETECTION AND EVALUATION OF THE ACTIVITY OF CHEMICAL COMPOSITIONS OR EXTRACTS ON IN-VITRO CELLULAR SYSTEMS, Patent Number: 1006956, Date: 6-9-2010, Inventors: KLETSAS P. DIMITRIOS, **PRATSINIS I. CHARALAMPOS**

150 Scientific Communications

Invited Talks:

- H. Pratsinis** "Intervertebral disc degeneration: The role of cell proliferation", National Hellenic Research Foundation, January 14, 2015, Athens, Greece (invited talk).
- H. Pratsinis** "Cellular senescence and its role *in vivo*". Workshop on "Therapy standardization in allergic conditions" organized by the Allergy & Clinical Immunology Unit of the Second Pediatric Clinic and the Allergy College of Children's Hospital, May 8-10, 2015, Portaria, Greece (invited speaker).

H. Pratsinis "Cellular senescence and its role *in vivo*", Educational Seminar "Current developments and trends in natural sciences" organized by the Administration of Secondary Education of Athens, February 22, 2017, Athens, Greece (invited talk).