

Dimitris G. Hatzinikolaou

Biochemical Engineer, Ph.D.
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Curriculum Vitae

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I. PERSONAL DATA

Name - Surname:.....Dimitris Hatzinikolaou
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Work address:.....Microbiology Group, Sector of Botany,
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Web:.....<http://users.uoa.gr/~dhatzini>
Date of Birth:November 29th, 1965
Family Status:Married, one daughter
Military Service:Greek Air Force - Assistant air traffic controller
(1994-1995)
Languages:**Greek** (Native), **English** (Excellent), **German** (Good)

II. EDUCATION

IIa. Basic Studies

- 1980: Certificate of Studies, 1st Gymnasium of Corfu, Greece (GPA: 19³/₅ out of 20)
- 1983: Certificate of Studies, 1st Lyceum of Corfu, Greece (GPA: 19¹/₃ out of 20)

IIb. Higher Degrees

- 1988: **Diploma in Chemical Engineering**. Department of Chemical Engineering, National Technical University of Athens. GPA: **8.55 out of 10.00**. Diploma Thesis Title: "**Kinetic study of the cellulase system of the fungus *Fusarium oxysporum***".
- 1990: **Master of Science in Biochemical Engineering**. Department of Chemical Engineering, The University of Michigan, Ann Arbor, USA. GPA: **7.44 out of 9.00**. Thesis title: "**On-line extractive fermentation of organic acids**".
- 1998: **Doctor of Philosophy (Ph.D.)**. Laboratory of Biotechnology, Department of Chemical Engineering, National Technical University of Athens. Mark: **Excellent**. Thesis title: "**Biosynthesis and mode of action of microbial oxidoreductases**".

III. SCHOLARSHIPS - DISTINCTIONS

- September 1988 - December 1989. Scholarship from the H. H. Rackham School of Graduate Studies of the University of Michigan USA, towards an MSE degree (tuition and monthly stipend).
- Fall Semester 1989. Symes Fellowship from the H.H. Rackham School of Graduate Studies of the University of Michigan based on the academic performance (purse).

- December 1993 - December 1997: Special Post-graduate Fellow at the Department of Chemical Engineering of the National Technical University of Athens (NTUA), towards a Ph.D. (monthly stipend).
- December 2000 – December 2001: Scholarship from the Greek State Scholarships Foundation for Post-Doctoral research at the Biotechnology Laboratory of the Department of Chemical Engineering of NTUA (monthly stipend).
- December 2003 – Present: Reviewer for the following Scientific Journals (more the 80 reviews in total):
 - ✓ *Annals of Microbiology* (Springer-Verlag)
 - ✓ *Applied Biochemistry and Biotechnology* (Humana Press)
 - ✓ *Applied Microbiology and Biotechnology* (Springer-Verlag)
 - ✓ *BioMed Research International* (Hindawi)
 - ✓ *Bioresource Technology* (Elsevier)
 - ✓ *Biotechnology and Bioengineering* (Wiley)
 - ✓ *Food Technology and Biotechnology* (University of Zagreb-Croatia)
 - ✓ *Food and Bioproducts Processing* (Elsevier)
 - ✓ *Fresenius Environmental Bulletin* (Parlar Scientific Publications, Germany)
 - ✓ *Journal of Biological Research - Thessaloniki*
 - ✓ *Journal of the Science of Food and Agriculture* (Wiley)
 - ✓ *mBio* (American Society for Microbiology)
 - ✓ *Microbial Cell Factories* (BioMed Central)
 - ✓ *Soil and Sediment Contamination. An International Journal* (Taylor and Francis)
 - ✓ *World Journal of Microbiology and Biotechnology* (Springer-Verlag)
 - ✓ *The Canadian Journal of Chemical Engineering*

IV. PROFESSIONAL ADVANCEMENT

Time Period	Occupation
01/1989 – 03/1990	Research Assistant, under Professor Henry Y. Wang, in the Biochemical Engineering Laboratory of the Department of Chemical Engineering of the University of Michigan, USA
06/1990 – 01/2003	Research Associate at the Laboratory of Biotechnology of the Department of Chemical Engineering of the National Technical University of Athens (Director: Professor B.J. Macris)
09/1997 – 06/1999	Scientific Consultant at GOLDEN FILTER S.A., Greece. Work area: Research and Development of Biological Filters
07/1999 – 01/2003	Principal Researcher at the Institute of Biomedical Research and Biotechnology, Athens, Greece (Director: J.C. Stavrides, Professor of Physiology at the Medical School of the University of Athens). Work area: Development of methodologies for the measurement of air pollutants – Toxicological and physiological studies on the effect of air pollutants on biological systems – Biological (protein – enzymic) filters
01/1997 – 01/2003	Free lance Scientific Consultant in the area of Industrial Biotechnology, Food Microbiology and Environmental Technologies
01/2003 – 06/2009	Lecturer (Microbial Biotechnology). Microbiology Group, Sector of Botany, Department of Biology, National and Kapodistrian University of Athens (NKUA)
06/2009 - Today	Assistant Professor (Microbial Biotechnology). Microbiology Group, Sector of Botany, Department of Biology, NKUA

V. TEACHING AND TUTORING

Va. University Courses and Lab Sessions

Academic Year(s)	Undergraduate Courses
1992-93 till 2001-02	Participation in the design, preparation and conduct of the Laboratory Sessions for the Course « Basic Biotechnology » (compulsory course at the 8 th Semester of studies at the Department of Chemical Engineering of the National Technical University of Athens - NTUA)
2003-04 till 2013-14	Conducting 45% of the lectures and supervising 50% of the laboratory sessions for the course « General Microbiology ». Compulsory course at the 5 th Semester of studies at the Department of Biology of the National and Kapodistrian University of Athens (NKUA)
2003-04 till 2013-14	Conducting 45% of the lectures and supervising 50% of the laboratory sessions for the course « Special Subjects of Molecular and Applied Microbiology ». Optional course at the 6 th Semester of studies at the Department of Biology of NKUA
2007-08 till 2013-14	Conducting 15% of the lectures for the course « Biotechnology ». Optional course at the 8 th Semester of studies at the Department of Biology of NKUA
2003-04 till 2013-14	Supervision of two (2) laboratory sessions for the course « Biotechnology ». Optional course at the 8 th Semester of studies at the Department of Biology of NKUA
Academic Year(s)	Graduate Courses
2003-04 till 2012-13	Lecturing (14 hours per year) at the course « Enzyme Biotechnology » that belongs to the curriculum of the Master of Science in «Microbial Biotechnology» offered by the Department of Biology of NKUA
2003-04 till 2012-13	Lecturing (14 hours per year) at the course « Microbial Management of Wastes and Pollutants » that belongs to the curriculum of the Master of Science in «Microbial Biotechnology» offered by the Department of Biology of NKUA
2003-04 till 2012-13	Lecturing (12 hours per year) at the course « Microorganisms as microbial cell factories » that belongs to the curriculum of the Master of Science in «Microbial Biotechnology» offered by the Department of Biology of NKUA

Vb. Thesis Supervision and Examination

Vb.1. Participation in the supervision of seventeen (17) Diploma Research Thesis' of senior students in the Department of Chemical Engineering of NTUA (from February 1991 through January 2003).

Vb.2. Supervision of twenty five (25) **Final Year Research Thesis** of senior Bachelor students at the Department of Biology of the National and Kapodistrian University of Athens (NKUA) and two (2) at other Greek Universities.

Vb.3. Supervision of the following **Master Research Thesis** for the M.S. Program «Microbial Biotechnology» offered by the Department of Biology of the National and Kapodistrian University of Athens (NKUA):

#	MS Student	Year	Thesis Title
1	George Anasontzis	2005	Growth studies of the thermophile fungus <i>Sporotrichum thermophile</i> on solid-state cultures of solid olive-mill wastes
2	Maria Moukouli	2005	Biosynthesis of surfactants by the thermophilic fungus <i>Sporotrichum thermophile</i> during growth in high alkane concentrations ⁽¹⁾
3	Antonia Sagona	2005	Cloning, overexpression, purification and characterization of a nitrilase from a hyperthermophilic archaeobacterium ⁽²⁾

4	Konstantinos Kaloidas	2006	Searching for xylan degrading enzymes in the fungus <i>Fusarium oxysporum</i>
5	Olga Pappa	2008	Standardization of environmental <i>Pseudomonas aeruginosa</i> strains by applying serotyping and Random Amplified Polymorphic DNA methods
6	Aliki Alisandratou	2010	Production, isolation and characterization of microbial xylanases. Applications of crude and purified xylanases
7	Anthi Karnaouri	2010	Heterologous overexpression and catalytic characterization of a thermophile endoglucanase of the family GH-7 from the fungus <i>Sporotrichum thermophile</i> ⁽¹⁾
8	Ekaterini Konti	2010	Production and purification of a laccase from the basidiomycetes <i>Corioloopsis</i> sp. ⁽³⁾
9	Evgenia Mili	2011	Evaluation of the effect of Platelet Rich Plasma (PRP) on the promotion of the natural healing process and the migration of mesenchymatic embryonic cells ⁽⁴⁾
10	Katerina Georgiadi	2012	Study of the time-space distribution of microorganisms at a model industrial waste composting system
11	Anastasia Zerva	2012	Evaluation of the potential of the fungus <i>Paecilomyces variotii</i> on the production of bioethanol from lignocellulosic substrates in an one-step process
12	Anastasia Galanopoulou	2012	Purification, biochemical and kinetic characterization of a β -xylosidase from a thermophilic bacterial strain <i>Geobacillus</i> sp. isolated from the volcanic habitat of Santorini island.
13	Stavroula Delenta	In progress	Purification of a baculovirus expressed thermostable bacterial lipase and its application in esterification/transesterification reactions

⁽¹⁾ In collaboration with Associate Professor P. Christakopoulos (Department of Chemical Engineering, NTUA)

⁽²⁾ In collaboration with Professor C. Vorgias (Department of Biology, NKUA)

⁽³⁾ In collaboration with Dr Z. Gonou and Dr E. Kapsanaki (Department of Biology, NKUA)

⁽⁴⁾ In collaboration with Dr N. Anagnou (Biomedical Research Foundation of the Academy of Athens, BRFAA)

Vb.4. Member of the (3-member) Supervising Committee of the following Ph.D. Thesis'

#	Year	Graduate Student	Laboratory/Department	Thesis Title
1	2012	Maria Moukouli	Laboratory of Biotechnology, Department of Chemical Engineering, NTUA	Use of molecular tools for the study of the catalytic specificity of ferulic acid esterases
2	In progress	Grammatiki Kannini	Sector of Botany, Department of Biology, NKUA	Biocontrol of plant pathogenic fungi with actinobacteria from Greek habitats
3	In progress	Dimitra Gialama	Laboratory of Biotechnology, Department of Chemical Engineering, NTUA	Development and study of <i>Escherichia coli</i> transformants for the production of membrane proteins using systems biology methods
4	In progress	Anthi Karnaouri	Laboratory of Biotechnology, Department of Chemical Engineering, NTUA	Design of a microbial platform for the production of thermophilic enzymes that degrade lignocellulose
5	In progress	Sara Sofia Regina Haider-Kendrou	Department of Biological Applications and Technologies, University of Ioannina	Development of bioprocesses for the production of biodiesel from microalgae

Vb.5. Supervisor of the following Ph.D. Thesis' at the Laboratory of Microbiology (Sector of Botany) of the Department of Biology of NKUA.

#	Year	Graduate Student	Thesis Title
1	2007	Njimoh Dieudonne Lemuh	Isolation and reconstitution of fungal transmembrane proteins: The paradigm of the uric acid-xanthine transporter (UapA) of <i>Aspergillus nidulans</i> ⁽¹⁾

2	2010	George Anasontzis	Genetic modification of the fungus <i>Fusarium oxysporum</i> towards the development of transformants with increased ethanol productivity
3	2012	Panagiota Stathopoulou	Biosynthesis of hydrolytic enzymes by thermophilic microorganisms
4	In progress	Athanasia Sergentani	Diversity of Bacidiomycetes (Agaricomycotina) in Thrace (northern Greece) ecosystems and evaluation of their enzymatic potential ⁽²⁾
5	In progress	Anastasia Galanopoulou	Production of oligopeptides and enzymes for medical and biotechnological applications using model microbial expression systems
6	In progress	Stefania Panoutsou	Discovery and production of compounds with potential therapeutic effect for neurodegenerative diseases using directed evolution techniques ⁽³⁾

⁽¹⁾ In collaboration with Dr G. Diallinas (Sector of Botany, Department of Biology, NKUA)

⁽²⁾ In collaboration with Dr Z. Gonou and Dr E. Kapsanaki (Sector of Ecology and Taxonomy, Department of Biology, NKUA)

⁽³⁾ In collaboration with Dr G. Skretas (Department of Biological Research and Biotechnology, National Research Foundation)

Vb.6. Member of the (3-member) Examination Committee of thirty seven (37) M.S. Research Thesis' at the M.S. Programs «Microbial Biotechnology» (Department of Biology, NKUA) and «Catalysis and its Applications (Department of Chemistry, NKUA) (2005 – 2013).

Vb.7. Member of the (7-member) Examination Committee of nineteen (19) Ph.D. Thesis' at the Department of Biology of NKUA (5), the Department of Chemical Engineering of NTUA (11), the Department of Food Science and Technology of the Agricultural University of Athens (2) and the Department of Chemistry of the University of Cyprus (1) (2004-2013).

VI. TEXTBOOK AUTHORSHIP

- Member of the auctorial team of the Textbook «**Laboratory Exercises of Basic Biotechnology**» that is being used by the students of the corresponding course, taught at the 8th Semester of studies at the Department of Chemical engineering of the National Technical University of Athens (NTUA).
- Member of the auctorial team of the **Course Notes** (100+ personal pages) and **Laboratory Manual** (design of two exercises) for the course «**Special Subjects of Molecular and Applied Microbiology**», optional course at the undergraduate curriculum of the Department of Biology of the National and Kapodistrian University of Athens (NKUA).

VII. ADMINISTRATIVE DUTIES

- **Member of the General Assembly** of the Department of Biology of NKUA for the Academic Years 2004-05, 2006-07, 2007-08, 2009-10, 2011-12 and 2012-13.
- **Member of the** (3-member) **Coordinating Committee** of the **Master of Science course in «Microbial Biotechnology»** offered by the Department of Biology of NKUA for the Academic Years 2003-04 until 2012-13.
- **Member of the** (3-member) **Graduate Student Selection Committee** for the **MS course «Microbial Biotechnology** offered the Department of Biology of NKUA for the Academic Years 2003-04 until 2011-13.
- **Coordinator** of the **courses «Enzyme Biotechnology», «Microorganisms as Cell Factories» and «Microbial Management of Wastes and Pollutants»** that belong to the **curriculum of the Master of Sci-**

ence in «**Microbial Biotechnology**» offered by the Department of Biology of NKUA for the Academic Years 2003-04 until 2011-13.

- **Member of the «Building and Prosaism Committee»** of the Department of Biology of NKUA for the Academic Years 2007-08 and 2008-09.
- **Member of the «Professional Advancement Committee»** of the Department of Biology of NKUA for the Academic Year 2008-09.
- **Member of the «Visits and Field Activities Committee»** of the Department of Biology of NKUA for the Academic Year 2008-09, 2011-12 and 2012-13.
- **Member of the «Diploma Research Thesis Committee»** of the Department of Biology of NKUA for the Academic Years 2009-10, 2010-11, 2011-12 and 2012-13.
- **Member of the «Financial Affairs Committee»** of the Department of Biology of NKUA for the Fiscal Year 2012.
- **Member of the Fire Safety Team** of the Department of Biology of NKUA from 2012 until present.
- **Organizing Committee Co-Chair** of the **2nd Scientific Meeting of the Hellenic National Initiative «Mikrobiokosmos»**, Athens, Greece (December 2009).
- **Organizing Committee Co-Chair** and **Scientific Committee member** of the **11th International Conference on Bacterial Genetics and Ecology (BAGECO-11)**, Corfu, Greece (May 2011).

VIII. PARTICIPATION IN RESEARCH PROGRAMS

VIIIa. Participation as Research Associate

#	Program Title	Duration	Funding Agent	Scientific Coordinator
1	Research and application of biotechnological methods for the production of high additive value products (enzymes) from agro industrial byproducts	1/1988 until 12/1992	Greek Ministry of Agriculture	Prof. BJ Macris, NTUA
2	Application of oxidoreductases for food preservation	9/1990 until 3/1994	EU FLAIR Project	Prof. BJ Macris, NTUA
3	Iron removal from industrial minerals, Subprogram: "Microbial Iron Removal"	4/1991 until 3/1993	EU	As. Prof. D Kekos, NTUA
4	An integrated and novel R&D approach exploring the potential of bio-fuel production in Greece from renewable biomass sources	1/1992 until 6/1994	EU (STRIDE)	Prof. BJ Macris, NTUA
5	An integrated and novel R&D approach for the production of biotechnological products from biomass and agricultural wastes	1995 until 1998	Greek General Secretariat of Research and Development (EPET II)	Prof. BJ Macris, NTUA
6	Extremophiles as cell factories	12/1996 until 12/1999	EU (BIO4)	Prof. BJ Macris, NTUA
7	Cellulases and hemicellulases from the thermophilic fungus <i>Thermoascus aurantiacus</i>	10/1993 until 9/1996	EU (AIR Project)	Prof. BJ Macris, NTUA
8	Production and evaluation of functional food ingredients in improving the nutritional quality of food and human health	1996 until 1999	EU (Copernicus Program)	Prof. BJ Macris, NTUA
9	Production and characterization of certain oxidoreductases	1997 until 1998	Procter & Gamble, Belgium	Prof. BJ Macris, NTUA

10	Production of enzymes with detergent action	1998 until 2000	Procter & Gamble, Belgium	Prof. BJ Macris, NTUA
11	Production of electrical energy from renewable resources with zero emissions of pollutants	1999 until 2001	Greek General Secretariat of Research and Development (EPET II)	Prof. BJ Macris, NTUA
12	Utilization of dairy industry wastes for the biotechnological production of xanthan and its use as emulsifier – stabilizer in food products	1/2000 until 6/2001	Greek General Secretariat of Research and Development (EPET II)	Prof. D Kekos, NTUA

VIIIb. Participation as Principal Scientist/Group Leader

#	Program Title	Duration	Funding Agent	Scientific Coordinator
1	Development and applications of biocatalytic processes for the improvement of Chios Mastic Gum and its ingredients as food additives in relation to the prevention of pathological angiogenesis	2005 until 2008	Greek General Secretariat of Research and Development (PENED 2003)	Prof. F. Kolisis, NTUA
2	Design of a selection strategy for the isolation of microbial strains with biotechnological properties in Greek environmental samples	2005 until 2006	Greek Ministry of Education (Program Pythagoras II)	Prof. AD Karagouni, NKUA
3	The Sustainable Integrated Method for the Production of Lignocellulosic Ethanol (SIMPLE)	2013 until 2015	Greek Ministry of Education (Program Cooperation 2011)	Professor Dimitris Kekos, NTUA

VIIIc. Participation as Scientific Coordinator

#	Program Title	Duration	Funding Agent
1	Study on the co-production of glucose oxidase and catalase by the fungus <i>Aspergillus niger</i>	2005	Special Account of Research Grants, NKUA
2	Consulting and scientific supervision of air quality control measurements in the Municipality of Agioi Theodoroi of Korinthos Prefecture	2006	Advanced Research and Management Applications Ltd.
3	Optimization of bioethanol production from renewable lignocellulosic substrates using metabolic engineering tools	2005 till 2008	Greek General Secretariat of Research and Development (PENED 2003) ⁽¹⁾
4	Management and biotechnological exploitation of olive-mill wastewaters from the area of the National Marine Park of Zakynthos and its regional zone	2006 till 2007	Management Agency of the National Marine Park of Zakynthos (INTERREG III C SOUTH)
5	Heterologous overexpression of phosphoglucomutase in the fungus <i>Fusarium oxysporum</i> aiming to increase its bioethanol productivity	2009	Special Account of Research Grants, NKUA
6	Study of the microbial diversity of the Laganas bay (island of Zakynthos, Ionian Sea)	2009 – 2010	Management Agency of the National Marine Park of Zakynthos
7	Biosynthesis and genetic selection of cyclic peptides with potential therapeutic effects against Alzheimer's disease: Inhibitors of A β protein aggregation	2011 - 2014	Greek Ministry of Education, Life Learning and Religion (Program THALES 2011)

IX. PUBLICATIONS

Median Impact factor: 2.47, Over 400 hetero-citations, H-index: 13

#	Title/Authors/Journal
1	«Quantitative evaluation of the pH profile in organic acid fermentations» D.G. Hatzinikolaou and H.Y. Wang <i>Biotechnology and Bioengineering</i> , vol. 37, pp. 190-195, (1991)
2	«Extractive fermentation systems for organic acids production» D.G. Hatzinikolaou and H.Y. Wang <i>The Canadian Journal of Chemical Engineering</i> , vol. 70, pp. 543-552, (1992)
3	«Optimizing multienzyme production». D.G. Hatzinikolaou and B.J. Macris. <i>Annals of the New York Academy of Sciences</i> , vol. 672, pp. 595-602, (1992)
4	«Factors regulating production of glucose oxidase by <i>Aspergillus niger</i> » D.G. Hatzinikolaou and B.J. Macris <i>Enzyme and Microbial Technology</i> , vol. 17, pp. 530-534, (1995)
5	«Production and partial characterization of extracellular lipase from <i>Aspergillus niger</i> » D.G. Hatzinikolaou, J.B. Macris, P. Christakopoulos, D. Kekos, F.N. Kolis and G. Fountoukidis <i>Biotechnology Letters</i> , vol. 18, pp. 547-552, (1996)
6	«Studies on localization and regulation of lipase production by <i>Aspergillus niger</i> » J.B. Macris, E. Kourentzi and D.G. Hatzinikolaou <i>Process Biochemistry</i> , vol. 31, pp. 807-812, (1996)
7	«A new glucose oxidase from <i>Aspergillus niger</i> : Characterization and regulation studies of enzyme and gene» D.G. Hatzinikolaou, O.C. Hansen, B.J. Macris, A. Tingey, D. Kekos, P. Goodenough and P. Stougaard <i>Applied Microbiology and Biotechnology</i> , vol. 46, pp. 371-381, (1996)
8	«An efficient and optimized purification procedure for the superoxide dismutase from <i>Aspergillus niger</i> . Partial characterization of the purified enzyme» D.G. Hatzinikolaou, C. Tsoukia, D. Kekos and B.J. Macris <i>Bioseparation</i> , vol. 7, pp. 39-46, (1997)
9	«Enhancement of pH-stability of a low molecular mass endoglucanase from <i>Fusarium oxysporum</i> by protein pegylation» P. Christakopoulos, E. Kourentzi, D.G. Hatzinikolaou, M. Claeysens, D. Kekos and B.J. Macris <i>Carbohydrate Research</i> , vol. 314, pp. 95-99, (1998)
10	«Purification and mode of action of an alkali-resistant endo-1,4- β -glucanase from <i>Bacillus pumilus</i> » P. Christakopoulos, D.G. Hatzinikolaou, G. Fountoukidis, D. Kekos, M. Claeysens and B.J. Macris <i>Archives of Biochemistry and Biophysics</i> , vol. 364, pp. 61-66, (1999)
11	«A novel lipolytic activity by <i>Rhodotorula glutinis</i> cells: Production, partial characterization and application in the synthesis of esters» D.G. Hatzinikolaou, E. Kourentzi, H. Stamatis, P. Christakopoulos, F.N. Kolis and B.J. Macris <i>Journal of Bioscience and Bioengineering</i> , vol. 88, pp. 53-56, (1999)
12	«Hemicellulolytic activity of <i>Fusarium oxysporum</i> grown on sugar beet pulp. Production of extracellular arabinanase» T. Cheilas, T. Stoupis, P. Christakopoulos, P. Katapodis, D. Mamma, D.G. Hatzinikolaou, D. Kekos and B.J. Macris <i>Process Biochemistry</i> , vol. 35, pp. 557-561, (2000)

13	«Purification and characterization of an extracellular α -L-arabinofuranosidase from <i>Fusarium oxysporum</i> » P. Christakopoulos, P. Katapodis, <u>D.G. Hatzinikolaou</u> , D. Kekos and B.J. Macris Applied Biochemistry and Biotechnology , vol. 87, pp. 127-133, (2000)
14	«Comparative growth studies of the extreme thermophile <i>Sulfolobus acidocaldarius</i> in submerged and solidified substrate cultures» <u>D.G. Hatzinikolaou</u> , E. Kalogeris, P. Christakopoulos, D. Kekos, and B.J. Macris World Journal of Microbiology and Biotechnology , vol. 17, pp. 229-234, (2001)
15	«The cytotoxic effect of volatile organic compounds of the gas phase of cigarette smoke on lung epithelial cells» A.E. Pouli, <u>D.G. Hatzinikolaou</u> , C. Piperi, A. Stavridou, M.C. Psallidopoulos and J.C. Stavrides Free Radical Biology and Medicine , vol. 34, pp. 345-355, (2003)
16	«Study of the mechanisms of cigarette smoke gas phase cytotoxicity» C. Piperi, A.E. Pouli, N.A. Katerelos, <u>D.G. Hatzinikolaou</u> , A. Stavridou and M.C. Psallidopoulos Anticancer Research , vol. 23, pp. 2185-2190, (2003)
17	«Biochemical characterization of the multi-enzyme system produced by <i>Penicillium decumbens</i> grown on rutin» D. Mamma, E. Kalogeris, <u>D.G. Hatzinikolaou</u> , A. Lekanidou, D. Kekos, B.J. Macris and P. Christakopoulos Food Biotechnology , vol. 18, pp. 1-18, (2004)
18	«Biochemical and catalytic properties of two intracellular β -glucosidases from the fungus <i>Penicillium decumbens</i> active on flavonoid glucosides» D. Mamma, <u>D.G. Hatzinikolaou</u> and P. Christakopoulos Journal of Molecular Catalysis B: Enzymatic , vol. 27, pp. 183-190, (2004)
19	«Biodegradation of phenol by acclimatized <i>Pseudomonas putida</i> cells using glucose as an added growth substrate» D. Mamma, E. Kalogeris, N. Papadopoulos, <u>D.G. Hatzinikolaou</u> , P. Christakopoulos and D. Kekos Journal of Environmental Science and Health, Part A , vol. A39, pp. 2093-2104 (2004)
20	«Modeling of the simultaneous hydrolysis – ultrafiltration of whey permeate by a thermostable β -galactosidase from <i>Aspergillus niger</i> » <u>D.G. Hatzinikolaou</u> , E. Katsifas, D. Mamma, A.D. Karagouni, P. Christakopoulos and D. Kekos Biochemical Engineering Journal , vol. 24, pp. 161-172 (2005)
21	«Analysis of the gas phase of cigarette smoke by gas chromatography coupled with UV-diode array detection» <u>D.G. Hatzinikolaou</u> , V. Lagesson, A.J. Stavridou, A.E. Pouli, L. Lagesson-Andrasko and J.C. Stavrides Analytical Chemistry , vol. 78, pp. 4509-4516 (2006)
22	«Cellulose, hemicelluloses, lignin and ash content of some organic materials and their suitability for use as paper pulp supplements» C. Ververis, K. Georghiou, D. Danielidis, <u>D.G. Hatzinikolaou</u> , P. Santas, R. Santas, and V. Corleti Bioresource Technology , vol. 98, pp. 296-301 (2007)
23	«Differential physiological and developmental expression of the UapA and AzgA purine transporters in <i>Aspergillus nidulans</i> » A. Pantazopoulou, N.D. Lemuh, <u>D.G. Hatzinikolaou</u> , C. Drevet, G. Cecchetto, C. Scazzocchio and G. Diallinas Fungal Genetics and Biology , vol. 44, pp. 627–640 (2007)
24	«Cell bound and extracellular glucose oxidases from <i>Aspergillus niger</i> BTL: Evidence for a secondary glycosylation mechanism» <u>D.G. Hatzinikolaou</u> , D. Mamma, P. Christakopoulos and D. Kekos Applied Biochemistry and Biotechnology , vol. 142, pp. 29-43 (2007)

25	«Application of different processes for the biodegradation of 1,3-dichloro-2-propanol by the bacterium <i>Pseudomonas putida</i> DSM 437» E. Kalogeris, O. Antzoulatos, D. Mamma, D.G. Hatzinikolaou , P. Christakopoulos and D. Kekos <i>Chemical and Biochemical Engineering Quarterly</i> , vol. 21, pp. 297-305 (2007)
26	«Application of rpoB sequence similarity analysis, REP-PCR and BOX-PCR for the differentiation of species within the genus <i>Geobacillus</i> » C. Meintanis, K.I. Chalkou, K.A. Kormas, D.S. Lymperopoulou, E.A. Katsifas, D.G. Hatzinikolaou and A.D. Karagouni <i>Letters in Applied Microbiology</i> , vol. 46, pp. 395-401 (2008)
27	«Purification and partial characterization of the xanthine-uric acid transporter (UapA) of <i>Aspergillus nidulans</i> » N.D. Lemuh, G. Diallinas, S. Frillingos, G. Mermelekas, A.D. Karagouni and D.G. Hatzinikolaou <i>Protein Expression and Purification</i> , vol. 63, pp. 33-39 (2009)
28	«Adsorption of major endoglucanase from <i>Thermoascus aurantiacus</i> on cellulosic substrates» D. Mamma, D.G. Hatzinikolaou , D. Kekos, H. Stamatis and E. Kalogeris <i>World Journal of Microbiology and Biotechnology</i> , vol. 25, pp. 781-788 (2009)
29	«The mode of lymphoblastoid cell death in response to gas phase cigarette smoke is dose-dependent» N.D. Sdralia, A.L. Patmanidi, A.D. Velentzas, L.H. Margaritis, G.E. Baltatzis, D.G. Hatzinikolaou and A.J. Stavridou <i>Respiratory Research</i> , vol. 10, Art. No. 82 (2009)
30	«Selective isolation of indigenous <i>Pseudomonas syringae</i> strains with ice nucleation activity properties from a ski resort» A.L. Savvides, C.P. Andriopoulos, K.K. Kormas, D.G. Hatzinikolaou , E.A. Katsifas and A.D. Karagouni <i>Journal of Biological Research</i> , vol. 15, pp. 67-73, (2011)
31	«Constitutive expression, purification and characterization of a phosphoglucumutase from <i>Fusarium oxysporum</i> » E. Kourtoglou, G.E. Anasontzis, D. Mamma, E. Topakas, D.G. Hatzinikolaou , and P. Christakopoulos <i>Enzyme and Microbial Technology</i> , vol. 48, pp. 217-224, (2011)
32	«Homologous overexpression of xylanase in <i>Fusarium oxysporum</i> increases ethanol productivity during consolidated bioprocessing (CBP) of lignocellulosics» G.E. Anasontzis, A. Zerva, P.M. Stathopoulou, K. Haralampidis, G. Diallinas, A.D. Karagouni and D.G. Hatzinikolaou <i>Journal of Biotechnology</i> , vol. 152, pp. 16-23, (2011)
33	«Xanthan production by <i>Xanthomonas campestris</i> using whey permeate medium» A.L. Savvides, E.A. Katsifas, D.G. Hatzinikolaou and A.D. Karagouni <i>World Journal of Microbiology and Biotechnology</i> , vol. 28, pp. 2759-2764 (2012)
34	«Assessment of the biomass hydrolysis potential in bacterial isolates from a volcanic environment: bio-synthesis of the corresponding activities» P.M. Stathopoulou, A.P. Galanopoulou, G.E. Anasontzis, A.D. Karagouni and D.G. Hatzinikolaou <i>World Journal of Microbiology and Biotechnology</i> , vol. 28, pp. 2889-2902 (2012)
35	«Greek indigenous streptomycetes as biocontrol agents against the soil-borne fungal plant pathogen <i>Rhizoctonia solani</i> » G.S. Kanini, E.A. Katsifas, A.L. Savvides, D.G. Hatzinikolaou and A.D. Karagouni <i>Journal of Applied Microbiology</i> , vol. 114, pp. 1468-1479 (2013)
36	«Unraveling the Lipolytic Activity of Thermophilic Bacteria Isolated from a Volcanic Environment» P.M. Stathopoulou, A.L. Savvides, A.D. Karagouni and D.G. Hatzinikolaou <i>BioMed Research International</i> , vol. 2013, Article ID 703130, 13 pages (2013)

X. CONFERENCE PRESENTATIONS

Xa. International Conferences

#	Title	Authors	Conference
1	Cell separation through aggregation kinetics (ORAL)	H.Y. Wang, D. Knapp, <u>D.G. Hatzinikolaou</u> and L.R. Cardona	Annual Meeting of the American Institute of Chemical Engineers , San Francisco - California, USA . November 1989
2	Optimizing multienzyme production in bioreactors (ORAL)	<u>D.G. Hatzinikolaou</u> and B.J. Macris	11th International Conference on Enzyme Engineering , Keauchu Kona - Hawaii, USA . September 1991
3	Simultaneous production of superoxide dismutase and catalase by <i>Saccharomyces cerevisiae</i> grown on acid whey hydrolysate (POSTER)	<u>D.G. Hatzinikolaou</u> , D.D. Dionysiou, G. Foundoukides, D. Kekos and B.J. Macris	6th European Congress on Biotechnology Firenze, Italy . June 1993
4	On the mechanism of glucose oxidase overproduction by <i>Aspergillus niger</i> (POSTER)	B.J. Macris and <u>D.G. Hatzinikolaou</u>	7th European Congress on Biotechnology , Nice, France . February 1995
5	Metabolic engineering of <i>Aspergillus niger</i> . The effect of calcium carbonate on glucose oxidase production (POSTER)	<u>D.G. Hatzinikolaou</u> , P. Stougaard and B.J. Macris	4th Conference on Recombinant DNA Biotechnology: Focus on Metabolic Engineering , Danvers - Massachusetts, USA . October 1996
6	Hydrolysis of sugar-beet pulp polysaccharides and production of related enzymic activities by the fungus <i>Fusarium oxysporum</i> (POSTER)	T.B. Stoupis, S.A. Sereti, D. Mamma, <u>D.G. Hatzinikolaou</u> , P. Christakopoulos, D. Kekos and B.J. Macris	Annual Meeting of the American Institute of Chemical Engineers , Los Angeles, California, USA . November 1997
7	Production of cell-bound lipase from <i>Rhodotorula glutinis</i> and its use in synthesis of esters in organic solvents (POSTER)	E. Kourentzi, <u>D.G. Hatzinikolaou</u> , H. Stamatis, P. Christakopoulos, D. Kekos, F.N. Kolisis and B.J. Macris	Annual Meeting of the American Institute of Chemical Engineers , Los Angeles, California, USA . November 1997
8	Comparative growth studies of the extreme thermophile <i>Sulfolobus acidocaldarius</i> in submerged and solid state fermentation (ORAL)	<u>D.G. Hatzinikolaou</u> , E. Kalogeris, P. Christakopoulos, D. Kekos and B.J. Macris	3rd Meeting on Extremophiles as Cell Factories , Graz, Austria . June 1999
9	Degradation of rutin by <i>Penicillium decumbens</i> . Purification and characterization of rutinase (POSTER)	A. Lekanidou, D. Mamma, <u>D.G. Hatzinikolaou</u> , G. Panagiotou, P. Christakopoulos, D. Kekos and B.J. Macris	8th International Congress on Engineering and Food , Puebla, Mexico . April 2000
10	CNS effects in the rat of alcoholic beverages exposed to electromagnetic radiation (POSTER)	P. Gousia, P. Pappas, P.N. Karamanacos, M. Marselos, <u>D.G. Hatzinikolaou</u> , M. Psallidopoulos and A. Stavridou	EUROTOX 2001 (The 39th Congress of the European Societies of Toxicology) , Istanbul, Turkey . September 2001
11	Environmental impacts of airports (ORAL)	M. Psallidopoulos, A. Stavridou, <u>D.G. Hatzinikolaou</u> , A. Pouli, C. Piperi and J.C. Stavridis	International Conference on Air Transport & Airports. "Evolutions in the 21st Century" , Patras, Greece . December 2001
12	Isolation of <i>Rhizoctonia solani</i> antagonistic streptomycetes from diverse Greek habitats: Potential use as biocontrol agents (POSTER)	G.S. Kanini, E. Delatola, E.A. Katsifas, <u>D.G. Hatzinikolaou</u> , and A.D. Karagouni	10th International Symposium on Microbial Ecology (ISME-10) , Cancun, Mexico . August 2004
13	Streptomyces isolates against <i>Rhizoctonia solani</i> and study of the characteristics of the chemical nature of the bioactive substances (POSTER)	G.S. Kanini, E.A. Katsifas, V. Roussis, <u>D.G. Hatzinikolaou</u> , and A.D. Karagouni	11th International Symposium on Microbial Ecology (ISME-11) , Vienna, Austria . August 2006
14	Antagonistic activity of Greek indigenous	G.A. Kanini, <u>D.G. Hatzinikolaou</u> ,	4th International Symposium on

	streptomycetes for the control of bean damping-off caused by <i>Rhizoctonia solani</i> (POSTER)	A. Savvides, E.A. Katsifas and A.D. Karagouni	Rhizoctonia , Berlin, Germany . August 2008
15	A cryptic role of uric acid metabolism and intercellular transport in fungal development reveals analogies with metazoa (ORAL)	F. Borbolis, C. Gournas, M. Karachaliou, <u>D.G. Hatzinikolaou</u> , A. Pantazopoulou and G. Diallinas	26th SMYTE (Small Meeting on Yeast Transport and Energetics) , Braga, Portugal . October 2008
16	A cryptic role of uric acid metabolism and intercellular redistribution in <i>Aspergillus nidulans</i> development (ORAL)	F. Borbolis, M. Karachaliou, C. Gournas, <u>D.G. Hatzinikolaou</u> , A. Pantazopoulou and G. Diallinas	Final Eurofung base Meeting, LSSG-CT-2005-018964 , San Feliu de Guixols, Spain . October 2008
17	Isolation and characterization of antifungal metabolites produced from Greek indigenous streptomycetes (POSTER)	G.S. Kanini, E.A. Katsifas, <u>D.G. Hatzinikolaou</u> and A.D. Karagouni	10th International Symposium on Bacterial Genetics and Ecology (BAGECO-10) , Uppsala, Sweden . June 2009
18	Homologous overexpression of xylanase in <i>Fusarium oxysporum</i> (POSTER)	G.E. Anasontzis, A. Zerva, P. Stathopoulou, A.D. Karagouni and <u>D.G. Hatzinikolaou</u>	10th International Symposium on Bacterial Genetics and Ecology (BAGECO-10) , Uppsala, Sweden . June 2009
19	Thermostable lipolytic enzymes from thermophilic bacteria isolated from a volcanic environment (POSTER)	P.M. Stathopoulou, G.E. Anasontzis, A.D. Karagouni and <u>D.G. Hatzinikolaou</u>	10th International Symposium on Bacterial Genetics and Ecology (BAGECO-10) , Uppsala, Sweden . June 2009
20	Production of ligninolytic enzymes from selected Greek Basidiomycetes strains (POSTER)	S.C. Kouloumpis, E. Kapsanaki-Gotsi, <u>D.G. Hatzinikolaou</u> and Z. Gonou-Zagou	5th Balkan Botanical Congress , Belgrade, Serbia . September 2009
21	Growth and fermentation characteristics of a genetically engineered <i>Fusarium oxysporum</i> strain (POSTER)	E. Kourtoglou, G.E. Anasontzis, D. Mamma, E. Topakas, <u>D.G. Hatzinikolaou</u> and P. Christakopoulos	14th European Congress on Biotechnology , Barcelona, Spain . September 2009
22	Homologous overexpression of phosphoglucomutase and transaldolase in <i>Fusarium oxysporum</i> (POSTER)	G.E. Anasontzis, P. Stathopoulou, A. Karagouni, S. Amillis, G. Diallinas and <u>D.G. Hatzinikolaou</u>	14th European Congress on Biotechnology , Barcelona, Spain . September 2009
23	Screening of basidiomycota from Thrace (Northern Greece) for lignocellulolytic and xylanolytic activities (POSTER)	A. Sergentani, Z. Gonou-Zagou, <u>D.G. Hatzinikolaou</u> , E. Kapsanaki-Gotsi	9th International Mycological Conference (IMC9: The Biology of Fungi) , Edinburgh, United Kingdom . August 2010
24	Homologous overexpression of xylanase in <i>Fusarium oxysporum</i> increases ethanol productivity during the simultaneous saccharification/fermentation of lignocellulosics (ORAL)	G.E. Anasontzis, A. Zerva, P.M. Stathopoulou, G. Diallinas and <u>D.G. Hatzinikolaou</u>	Eurofung Meeting , Egmond aan Zee, The Netherlands . November 2010
25	The hydrolytic enzyme potential of thermophilic bacteria isolated from a volcanic environment (ORAL)	P.M. Stathopoulou, A.D. Karagouni and <u>D.G. Hatzinikolaou</u>	11th International Symposium on Bacterial Genetics and Ecology (BAGECO-11) , Corfu, Greece . May 2011
26	Evaluation and optimization of the culture conditions for the production of cellulolytic and xylanolytic enzymes by a thermophilic bacterial strain isolated from the volcanic island of Santorini, Greece (POSTER)	A. Galanopoulou, E. Tserkezi, P.M. Stathopoulou, A.D. Karagouni and <u>D.G. Hatzinikolaou</u>	11th International Symposium on Bacterial Genetics and Ecology (BAGECO-11) , Corfu, Greece . May 2011
27	Identification and overexpression in <i>Escherichia coli</i> of a thermostable lipase from a newly isolated <i>Geobacillus</i> strain (POSTER)	P.M. Stathopoulou, G.E. Anasontzis, A.L. Patmanidi, C.E. Vorgias and <u>D.G. Hatzinikolaou</u>	11th International Symposium on Bacterial Genetics and Ecology (BAGECO-11) , Corfu, Greece . May 2011
28	Evaluation of <i>Paecilomyces variotii</i> potential in the consolidated bioprocessing of lignocellulosics (POSTER)	A.P. Zerva, P.M. Stathopoulou, E.A. Katsifas, A.D. Karagouni and <u>D.G. Hatzinikolaou</u>	11th International Symposium on Bacterial Genetics and Ecology (BAGECO-11) , Corfu, Greece . May 2011
29	Lignocellulose degradation potential in wood-inhabiting species of polyporaceae from Thrace-Northern Greece (POSTER)	A. Sergentani, <u>D.G. Hatzinikolaou</u> , Z. Gonou-Zagou and E. Kapsanaki-Gotsi	11th International Symposium on Bacterial Genetics and Ecology (BAGECO-11) , Corfu, Greece . May 2011

30	Isolation and characterization of oenological bacterial strains as promising maloclastic starter cultures (POSTER)	N.A. Tagaroulia, E.A. Katsifas, <u>D.G. Hatzinikolaou</u> and A.D. Karagouni	11th International Symposium on Bacterial Genetics and Ecology (BAGECO-11) , Corfu, Greece. May 2011
31	Evaluation of Greek indigenous streptomycetes as potential Biocontrol agents (POSTER)	G. Kanini, E.A. Katsifas, D.G. Hatzinikolaou and <u>D.G. Hatzinikolaou</u>	11th International Symposium on Bacterial Genetics and Ecology (BAGECO-11) , Corfu, Greece. May 2011
32	Evaluation of lignocellulose degradation potential in Basidiomycota from Thrace-Northern Greece (POSTER)	A. Sargentani, <u>D.G. Hatzinikolaou</u> , E. Gonou-Zagou and E. Kapsanaki-Gotsi	5th European Bioremediation Conference , Chania, Greece. July 2011
33	Assessing the ligninolytic potential of Basidiomycota from Greek ecosystems (POSTER)	S. Kouloumpis, Z. Gonou-Zagou, <u>D.G. Hatzinikolaou</u> and E. Kapsanaki-Gotsi	XVI Congress of European Mycologists , Chalkidiki, Greece. September 2011
34	Biodiversity of wood-inhabiting Basidiomycota in Leivaditis area (Thrace, Greece) (ORAL)	A. Sargentani, Z. Gonou-Zagou, <u>D.G. Hatzinikolaou</u> and E. Kapsanaki-Gotsi	XVI Congress of European Mycologists , Chalkidiki, Greece. September 2011
35	Exploring fungal diversity in Greece by morphological, biochemical and molecular tools (POSTER)	E. Kapsanaki-Gotsi, Z. Gonou-Zagou, I. Pyrri, A. Sargentani, A. Angelopoulos, P. Delivorias, <u>D.G. Hatzinikolaou</u> , N. Fokialakis, V. Kouvelis, A. Krimitzas and M.A. Typas	XXXI Annual Meeting of the European Culture Collections Organizations' , Braga, Portugal. June 2012
36	The filamentous fungus <i>Paecilomyces variotii</i> as a potential candidate for bioethanol production via consolidated bioprocessing of lignocellulosics (ORAL)	A.P. Zerva, P.M. Stathopoulou, E.A. Katsifas, A.D. Karagouni and <u>D.G. Hatzinikolaou</u>	15th European Congress on Biotechnology , Istanbul, Turkey. September 2012
37	Production, purification and biochemical characterization of a novel thermostable β -xylosidase from <i>Geobacillus</i> sp. isolated from a volcanic environment (POSTER)	A.P. Galanopoulou, P.M. Stathopoulou, E.A. Tserkezi, A. Savvides, A.D. Karagouni and <u>D.G. Hatzinikolaou</u>	15th European Congress on Biotechnology , Istanbul, Turkey. September 2012
38	Baculovirus-infected insect cells as an alternative system for the high level expression of hydrophobic proteins: The case of a thermostable <i>Geobacillus</i> sp. Lipase (POSTER)	P.M. Stathopoulou, A.L. Patmanidi, C.E. Vorgias, A.D. Karagouni and <u>D.G. Hatzinikolaou</u>	15th European Congress on Biotechnology , Istanbul, Turkey. September 2012

Xb. National Conferences

Over 50 Oral and Poster presentations in National Research Conferences

XI. MEMBERSHIP IN SCIENTIFIC SOCIETIES

- Hellenic Society of Biological Science
- Hellenic Biotechnology Society
- Pan-Hellenic Society of Chemical Engineers
- Hellenic National Initiative «Mikrobiokosmos»
- Technical Chamber of Greece
- American Chemical Society – Biochemical Technology Division
- American Institute of Chemical Engineers – Food, Pharmaceutical & Bioengineering Division
- European Federation of Biotechnology
- American Society of Microbiology