

LIST OF PAPERS

a) Papers considered by the candidate to be the most relevant

Margaris D.P. & **Ghiaus A.-G.**, 2007: *Experimental study of hot air dehydration of Sultana grapes*, Journal of Food Engineering, Elsevier Science Ltd., Vol. 79, Issue 4, ISSN 0260-8774, pp. 1115-1121

Margaris D.P. & **Ghiaus A.-G.**, 2006: *Dried product quality improvement by air flow manipulation in tray dryers*, Journal of Food Engineering, Elsevier Science Ltd., Vol. 75, Issue 4, ISSN 0260-8774, pp.542-550

Ghiaus C. & Ghiaus A.-G., 2005: *Smart Buildings (I) - Urban environment, energy and buildings (Cladiri inteligente (I) - Mediul urban, energia si cladirile)*, UTCB Scientific Bulletin Nr.1, Bucharest, ISSN 1224-628X, pp. 38-43

Ghiaus C. & Ghiaus A.-G., 2005: *Smart Buildings (II) - Thermal comfort in adaptive buildings (Cladiri inteligente (II) - Confortul termic in cladiri adaptive)*, UTCB Scientific Bulletin Nr.2, Bucharest, ISSN 1224-628X, pp. 14-21

Ghiaus C. & Ghiaus A.-G., 2005: *Smart Buildings (III) - Energy savings and environmental quality (Cladiri inteligente (III) - Economia de energie si calitatea spatiului amenajat)*, UTCB Scientific Bulletin Nr.2, Bucharest, ISSN 1224-628X, pp. 30-37

Ghiaus C.-M. & Ghiaus A.-G., 1999: *Evaluation of the indoor temperature field using a given air velocity distribution*, Building and Environment - The International Journal of Building Science and its Applications, Vol.34, No.6, Editor: E.H. Mathews, Elsevier Science Ltd., Oxford, ISSN 0360-1323, pp. 671-679

Ghiaus A.-G., Filios A., Margaris D.P. & Tzempelikos D., 2010: *Industrial drying of wooden pallets - CFD analysis of air flow*, 17th International Drying Symposium (IDS2010), Magdeburg, 3-6 October, ISBN 978-3-86912-036-2, Proceedings pp. 472-477

Allaf K. & **Ghiaus A.-G.**, 2006: *Impact of DIC® texture modification on drying kinetics and final product quality*, 15th International Drying Symposium (IDS 2006), Budapest, 20-23 August, ISBN 963-9483-58-3, Proceedings pp. 1609-1613

Ghiaus A.-G., Vaxelaire J., Roques M. & Anglerot D., 2000: *Dewatering of activated sludge - a global approach*, 12th International Drying Symposium (IDS 2000), Noordwijkerhout, 28-31 August, Editors: P.J.A.M. Kerkhof, W.J. Coumans and G.D. Mooiweer, Elsevier Science B.V., Amsterdam, CD-ROM Proceedings Paper No.123

Ghiaus A.-G. & Margaris D.P., 2002: *Numerical modelling of two-phase flow inside involute separators*, 4th GRACM Congress on Computational Mechanics, Patras, 27-29 June, Editor: D.T. Tsahalis, Proceedings pp. 1231-1239

b) Doctorate thesis

Μεταφορά ορμής, θερμότητας και μάζας σε διαδικασίες ξήρανσης - Εφαρμογή στην αφύγρανση θερμοευαίσθητων προϊόντων (Momentum, heat and mass transfer in convective drying processes - Application to dehydration of thermolabile products), Ph.D. degree in Mechanical Engineering, November 1998, Department of Mechanical Engineering and Aeronautics, University of Patras, Greece

c) Invention patents

Process and device for the automatic drying of construction materials using microwaves, Patent number RO125995-A2, Authors: Iliescu M., Popescu D.-I., **Ghiaus A.-G.**, Scarlat V., Androne C.F.

d) Books and book chapters

Margaris D.P. & **Ghiaus A.-G.**, 2008: Ch.2: *Fruits and Vegetables Dehydration in Tray Dryers*, in *New Food Engineering Research Trends*, Nova Science Publishers, Inc. - New York, ISBN 1-60021-897-0

Ghiaus A.-G., 2011: *Thermodynamics*, CONSPRESS Bucharest, ISBN 978-973-100-064-7

Ghiaus A.-G., 2003: *Heat Transfer*, CONSPRESS Bucharest, ISBN 973-8165-84-9

Gavrila C., **Ghiaus A.-G.** & Gruia I., 2011: CD Credits: *Heat and mass transfer in convective drying processes*, in *Introductory biophysics - Perspectives on the living state*, Jones and Bartlett Publishers, Boston, ISBN 978-0-7637-7998-6

Ghiaus A.-G., Margaris D.P. & Papanikas D.G., 1999: *Modelling and experimentation in drying of thermolabile products*, in *Physics and Modern Topics in Mechanical and Electrical Engineering*, Editor N.E. Mastorakis, World Scientific and Engineering Society Press, ISBN 960-8052-106

e) Articles published in reviews from main international scientific flux

Ghiaus A.-G., Margaris D.P. & Papanikas D.G., 1997: *Mathematical modelling of the convective drying of fruits and vegetables*, Journal of Food Science, An international journal of the Institute of Food Technologists, Vol. 62, No. 6, ISSN 0022-1147, pp. 1154-1157

Margaris D.P. & **Ghiaus A.-G.**, 2006: *Dried product quality improvement by air flow manipulation in tray dryers*, Journal of Food Engineering, Elsevier Science Ltd., Vol. 75, Issue 4, ISSN 0260-8774, pp.542-550

Margaris D.P. & **Ghiaus A.-G.**, 2007: *Experimental study of hot air dehydration of Sultana grapes*, Journal of Food Engineering, Elsevier Science Ltd., Vol. 79, Issue 4, ISSN 0260-8774, pp. 1115-1121

Ghiaus C.-M. & **Ghiaus A.-G.**, 1999: *Evaluation of the indoor temperature field using a given air velocity distribution*, Building and Environment - The International Journal of Building Science and its Applications, Vol.34, No.6, Editor: E.H. Mathews, Elsevier Science Ltd., Oxford, ISSN 0360-1323, pp. 671-679

Avram D., Gavriliuc R. & **Ghiaus A.-G.**, 2004: *Technologies for eutectic freeze crystallization*, Chemistry Review, Vol.55, Nr.10, Bucharest, ISSN 0034-7752, pp. 769-772

f) Publications appeared in volumes of the main international conferences in the field

Ghiaus A.-G. & Vasilescu C., 2011: *Thermal analysis of strawberry preservation by cooling and freezing*, 11th International Congress on Engineering and Food (ICEF11), Athens, 22-26 May, ISBN 978-960-89789-6-6, Proceedings pp. 1899-1903

Ghiaus A.-G., Popescu D. & Ciufudean C., 2011: *Analysis of ventilation system for a microwave assisted drying unit*, 11th WSEAS International Conference on Systems Theory

and Scientific Computation (ISTASC '11), Florence, 23-25 August, ISBN 978-1-61804-027-5, Proceedings pp. 138-143

Ghiaus A.-G. & Istrate M.-A. & Georgescu A.-M., 2010: *Air flow characteristics inside an industrial wood pallet drying kiln*, COMSOL Conference 2010, Paris, 17-19 November, ISBN 978-0-9825697-6-4, CD-ROM Proceedings

Ghiaus A.-G., Filios A., Margaris D.P. & Tzempelikos D., 2010: *Industrial drying of wooden pallets - CFD analysis of air flow*, 17th International Drying Symposium (IDS2010), Magdeburg, 3-6 October, ISBN 978-3-86912-036-2, Proceedings pp. 472-477

Popescu D., Ciufudean C. & **Ghiaus A.-G.**, 2010: *Specific aspects concerning automatic control of microwave drying of wood*, 12th WSEAS International Conference on Automatic Control, Modelling & Simulation (ACMOS '10), Catania, 29-31 May, ISBN 978-954-92600-1-4, ISSN 1790-5117, Proceedings pp. 191-194

Popescu D., Ciufudean C. & **Ghiaus A.-G.**, 2009: *Specific aspects of design of the automated system for heating control that accounts for heat losses through the building's envelope*, 13th WSEAS International Conference on Systems, Rodos, 22-24 July, ISSN 1790-2769, ISBN 978-960-474-097-0, Proceedings pp. 352-356

Ghiaus A.-G., Popescu D.-I & Iliescu M., 2009: *Automatic system for drying dielectric building materials*, Association Française de Séchage pour l'Industrie et l'Agriculture - AFSIA & EFCE WP on Drying Conference, Lyon, 14-15 May, Proceedings pp.106-107

Gavrila C., **Ghiaus A.-G.** & Gruia I., 2008: *Heat and mass transfer in convective drying processes*, European COMSOL 2008 Conference, Hannover, 4-6 November, ISBN 978-0-9766792-3-3, DVD Proceedings

Ghiaus A.-G., Mitoiu S.-A. & Vatamanescu C.-M., 2008: *Evaluation of drying and product constants for different fruits and vegetables*, International Conference on New Research in Food and Tourism, BIOATLAS 2008, Brasov, 4-7 June, ISBN 978-973-598-300-0, CD-ROM Proceedings

Gavriliuc R., Polizu R. & **Ghiaus A.-G.**, 2007: *The development of heat pump technology in Romania*, Congress on Energy, climate and indoor comfort in Mediterranean countries, Climamed 2007, Genova, 5-7 September

Ghiaus A.-G., Vatamanescu C.-M. & Mitoiu S.-A., 2007: *Experimental drying curves for various fruits and vegetables*, European Drying Conference, AFSIA -2007, Biarritz, 24-25 May, Proceedings pp. 116-117

Allaf K. & **Ghiaus A.-G.**, 2006: *Impact of DIC® texture modification on drying kinetics and final product quality*, 15th International Drying Symposium (IDS 2006), Budapest, 20-23 August, ISBN 963-9483-58-3, Proceedings pp. 1609-1613

Ghiaus A.-G. & Margaris D.P., 2005: *Experimental drying curves for agricultural products*, Eurotherm Seminar 77 – Heat and Mass Transfer in Food Processing, Parma, 20-22 June, CD-ROM Proceedings

Iordache F., **Ghiaus A.-G.** & Iordache V., 2005: *Hydrothermal analysis of a secondary district heating network*, Conference on Heat Transfer in Components and Systems for Sustainable Energy Technologies, Heat-SET 2005, Grenoble, 5-7 April, Editors - GRETh, Proceedings pp. 359-364

Ghiaus A.-G. & Margaris D.P., 2003: *Numerical investigation of a novel compact separator*, 5th European Fluid Mechanics Conference - EFMC2003, Toulouse, 24-28 August, Book of Abstracts p. 171

Ghiaus A.-G. & Margaris D.P., 2002: *Numerical modelling of two-phase flow inside involute separators*, 4th GRACM Congress on Computational Mechanics, Patras, 27-29 June, Editor: D.T. Tsahalis, Proceedings pp. 1231-1239

Ghiaus A.-G., Margaris D.P. & Papanikas D.G., 2001: *Measurements of gas flow parameters inside complex geometry industrial units*, 5th World Conference on Experimental

Heat Transfer, Fluid Mechanics and Thermodynamics, Thessaloniki, 24-28 September, Proceedings pp. 1147-1153

Ghiaus A.-G., Margaritis D.P. & Papanikas D.G., 2000: *Validation of drying simulation algorithm of fruits and vegetables*, 3rd European Thermal Science Conference (Eurotherm 2000), Heidelberg, 10-13 September, Editors: E.W.P. Hahne, W. Heidemann and K. Spindler, Editione ETS, Pisa, Proceedings pp. 561-565

Ghiaus A.-G., Vaxelaire J., Roques M. & Anglerot D., 2000: *Dewatering of activated sludge - a global approach*, 12th International Drying Symposium (IDS 2000), Noordwijkerhout, 28-31 August, Editors: P.J.A.M. Kerkhof, W.J. Coumans and G.D. Mooiweer, Elsevier Science B.V., Amsterdam, CD-ROM Proceedings Paper No.123

Ghiaus A.-G., Margaritis D.P. & Papanikas D.G., 1999: *Modelling and experimentation in drying of thermolabile products*, World Scientific and Engineering Society (WSES) International Conference on Mathematics and Computers in Mechanical Engineering (MCME'99), Marathon, Florida Keys, 25-29 July, Editor: N.E. Mastorakis, CD-ROM Proceedings pp. 351-356

Ghiaus A.-G., Margaritis D.P. & Papanikas D.G., 1998: *Evaluation of fixed bed drying of agricultural produce by simulation and laboratory investigation*, 11th International Drying Symposium (IDS '98), Halkidiki, 19-22 August, Drying '98 Vol. A, Series Editor: A.S. Mujumdar, Ziti Editions, Thessaloniki, Proceedings pp. 357-264

Ghiaus A.-G., Margaritis D.P. & Papanikas D.G., 1998: *Improvement of food drying quality by flow manipulation techniques*, Second Trabzon International Energy and Environment Symposium (T.I.E.E.S. - 98), Trabzon, 27-29 July, Editors: I. Dincer and T. Ayhan, Begell House, Inc., New York - Wallingford, Proceedings pp. 359-362

Ghiaus A.-G., Margaritis D.P. & Papanikas D.G., 1996: *Energy analysis and optimization of tray drying systems*, First Trabzon International Energy and Environment Symposium (T.I.E.E.S. - 96), Trabzon, 29-31 July, Vol. 1, Editors: T. Ayhan, I. Dincer, H. Olgun, S. Dost and B. Cuhadaroglu, Trabzon, Proceedings pp. 455-460

Ghiaus C.-M., Peng X., van Paassen A.H.C. & **Ghiaus A.-G.**, 1995: *A continuous time dynamic model of temperature in air conditioned rooms*, Second International Symposium on Heating, Ventilation and Air Conditioning (Tsinghua-HVAC-'95), Beijing, 25-27 September, Proceedings pp. 382-391

Ghiaus A.-G., Margaritis D.P., Papanikas D.G. & Fertis D.K., 1994: *Experimental and theoretical analysis of gas-liquid separation process in baffle-type units*, Second European Fluid Mechanics Conference (EFMC '94), Warsaw, 20-24 September

Mihaila C. & **Ghiaus A.-G.**, 1985: *Heat storage in large capacity tanks*, Joint U.S. - Romanian Seminar on Earthquakes and Energy, Bucharest, 2-9 September, Vol. 3: Energy, Editors: S. Aroni and R. Constantinescu, Bucharest, Proceedings pp. 399-412

g) Other papers and scientific contributions

Ghiaus A.-G., Mitoiu S.-A. & Vatamanescu C.-M., 2008: *Evaluation of drying and product constants for different fruits and vegetables*, Journal of EcoAgriTourism No. 1-2, Vol. 4, ISSN 1841-642X, pp. 184-188

Gavriliuc R., **Ghiaus A.-G.** & Polizu R., 2008: *Metode de crestere a eficientei energetice pentru consumatorii de frig si de caldura*, Instalatorul review, No.6, Bucharest, ISSN 1223-7418, pp.

Popescu D., Ionescu D., **Ghiaus A.-G.**, Petcu A., Dumitrache L. & Iliescu M., 2008: *Conducerea automata a instalatiilor de incalzire solare pentru prepararea apei calde de consum*, Instalatorul review, No.3, Bucharest, ISSN 1223-7418, pp. 14-16

Popescu D., Ionescu D., **Ghiaus A.-G.** & Petcu A., 2008: *Conducerea automata a instalatiilor de incalzire solare cu doua campuri de captatoare solare (Automatic control of solar heating installations with two solar collector fields)*, Masurari si Automatizari review, No. 1, Bucharest, ISSN 1582-2834, pp. 52-54

Ghiaus A.-G. & Gavriiliuc R., 2007: *Simulation of air flow and dehydration process in tray drying systems*, UPB Scientific Bulletin No.4, Vol.69, Bucharest, ISSN 1454-2358, pp. 41-50

Popescu D, Ionescu D., **Ghiaus A.-G.** & Iliescu M., 2007: *Aspecte specifice automatizarii instalatiilor de incalzire solare (Specific aspects of automatic control of solar heating installations)*, Instalatorul review, No.7-8, Bucharest, ISSN 1223-7418, pp. 28-31, Electricianul review, No.7-8, Bucharest, ISSN 1223-7426, pp. 18-23

Ghiaus C. & **Ghiaus A.-G.**, 2005: *Smart Buildings (I) - Urban environment, energy and buildings (Cladiri inteligente (I) - Mediul urban, energia si cladirile)*, UTCB Scientific Bulletin Nr.1, Bucharest, ISSN 1224-628X, pp. 38-43

Ghiaus C. & **Ghiaus A.-G.**, 2005: *Smart Buildings (II) - Thermal comfort in adaptive buildings (Cladiri inteligente (II) - Confortul termic in cladiri adaptive)*, UTCB Scientific Bulletin Nr.2, Bucharest, ISSN 1224-628X, pp. 14-21

Ghiaus C. & **Ghiaus A.-G.**, 2005: *Smart Buildings (III) - Energy savings and environmental quality (Cladiri inteligente (III) - Economia de energie si calitatea spatiului amenajat)*, UTCB Scientific Bulletin Nr.2, Bucharest, ISSN 1224-628X, pp. 30-37

Ghiaus A.-G. & Gavriiliuc R., 2004: *Mathematical modelling of gas flow in baffle type separation units (Modelarea matematica a curgerii gazelor in separatoare cu sicane)*, UTCB Scientific Bulletin Nr.2, Bucharest, ISSN 1224-628X, pp. 15-23

Tisulescu L., Gavriiliuc R. & **Ghiaus A.-G.**, 2004: *Layout of a geothermal well at very profound depths for heat gaining by means of a closed circulation loop (Realizarea unei sonde geotermale de mare adancime pentru extragerea caldurii prin intermediul unui circuit inchis)*, UTCB Scientific Bulletin Nr.2, Bucharest, ISSN 1224-628X, pp. 24-34

Mihaila C. & **Ghiaus A.-G.**, 1993: *Compact heat-exchanger with fixed bed of balls*, COMPUTING review, No. 4, Arta grafica S.A., Bucharest, pp. 1-3

Mihaila C. & **Ghiaus A.-G.**, 1989: *O solutie de reducere a consumurilor energetice la serele de mare capacitate (A solution to reduce energy consumption of high capacity greenhouses)*, ENERGETICA review, Vol. 37, No. 9, Bucharest, pp. 385-388

Mihaila C., Paraschivescu C. & **Ghiaus A.-G.**, 1984: *Contributii privind simularea regimului termic in rezervoarele de stocare sezoniera -I (Contributions concerning the thermal conditions simulation in seasonal storage tanks -I)*, CONSTRUCTII review, No. 9, Special issue: INSTALATII IN CONSTRUCTII - incalzire, energie solara, ventilatii, recuperarea caldurii, sanitare-gaze, electrice -, Bucharest, pp. 32-40

Paraschivescu C., **Ghiaus A.-G.**, Donciu R., Burchiu S. & Niculescu M., 1984: *Regimul termic in rezervoare de stocare sezoniera - Partea 1 (Thermal regime of the seasonal storage tanks - Part 1)*, Scientific Bulletin '84, Editor: A.-G. Ghiaus, I.C.B., Bucharest, pp. 53-63

Ghiaus A.-G. & Istrate M.-A., 2010: *Simularea numerică a uscării produselor lemnoase cu ajutorul programului Comsol*, Conferința a XVI-a Confort, eficiență, conservarea energiei și protecția mediului, Bucharest, 18-19 March

Ghiaus A.-G. & Vasilescu C., 2010: *Analiza metodelor și sistemelor de congelare a căpșunilor prin simulare numerică*, Conferința a XVI-a Confort, eficiență, conservarea energiei și protecția mediului, Bucharest, 18-19 March,

Ghiaus A.-G., 2008: *Drying kinetics behaviour of tomatoes, cucumbers, bananas, apples and pears*, Technical and business Meeting of EFCE Working Party on Drying, Copenhagen, 12-13 June,

Popescu D.-I., Ionescu D., **Ghiaus A.-G.** & Iliescu M., 2008: *Solutie de conducere automata a instalatiilor de incalzire din cladirile mari*, Conferinta Tehnico-Stiintifica "Instalatii pentru constructii si economia de energie", Iasi, 3-4 July, ISSN 1843-3510, Proceedings pp. 179-183

Ghiaus A.-G. & Gavriiuc R., 2007: *Simulation of air flow and dehydration process in tray drying systems*, Simulation modelling and computer aided design in the field of agricultural machines and food industry Conference, AMFI 2007, Bucharest, 9-10 November, Proceedings pp. 41-50

Ghiaus A.-G. 2007: *Îmbunătățirea Calității și Marketingului Fructelor și Legumelor Deshidratate prin Stăpânirea Tehnologiei Inovative DIC®*, Simpozionul Programul Cercetare de Excelență Modul III – sprijin pentru creșterea participării românești la programele europene și internaționale de cercetare, Sinaia, 5-7 November

Popescu D., Ionescu D., **Ghiaus A.-G.**, Petcu A., Dumitrache L. & Iliescu M., 2007: *Conducerea automata a instalatiilor de incalzire solare pentru prepararea apei calde menajere*, a 42-a Conferinta Nationala de Instalatii, Vol. Instalatii Electrice si Automatizari, Sinaia, 17-20 October, pp. 30-36

Popescu D., Ionescu D., **Ghiaus A.-G.**, Petcu A., Dumitrache L. & Iliescu M., 2007: *Conducerea automată a instalațiilor de încălzire solare cu două câmpuri de captatoare solare*, International Electric & Automation Show (IEAS), Palatul Parlamentului, Bucharest, 12-13 September

Leib J.-G., Gavriiuc R. & **Ghiaus A.-G.**, 2007: *Low temperature heating/high temperature cooling systems*, Building services and Ambient comfort Conference, Timisoara, 29-30 March, Proceedings p. 9

Gavriiuc R., Polizu R., & **Ghiaus A.-G.**, 2007: *Metode de crestere a eficientei energetice pentru consumatorii de frig si caldura*, Technical-scientific conference Building services and energy economy, Iasi, 5-6 July

Allaf K. & **Ghiaus A.-G.**, 2005: *Tehnologia DIC aplicata la conservarea prin uscare a produselor agricole (DIC technology applied to drying preservation of agricultural products)*, Technique and Scientific Symposium - IndAgra 2005, Bucharest, 6 November

Ghiaus A.-G., 2004: *Energy performance of buildings*, WEC Regional Energy Forum - FOREN 2004, Neptun-Olimp, 13-17 June, Proceedings pp. 81-88

Ghiaus A.-G., 2004: *Analiza experimentală a deshidratării legumelor și fructelor (Experimental analysis of vegetables and fruits dehydration)*, 14th National Conference on Thermo-techniques, CD-ROM, Bucharest, 25-26 November

Ghiaus C. & **Ghiaus A.-G.**, 2004: *Racirea cladirilor adaptive prin ventilare (Cooling of adaptive buildings by ventilation)*, Systems, Equipment, Electrical Plants and Automatization Symposium, pp. 128-135, Bucharest, 25-26 November

Ghiaus A.-G., 2004: *Determinarea experimentală a curbilor de uscare pentru produse termolabile (Experimental determination of drying curves for thermolabile products)*, Technique and Scientific Symposium - IndAgra 2004, Bucharest, 4 November

Ghiaus A.-G. & Margaris D.P., 2003: *Numerical investigation of a novel compact separator*, 5th European Fluid Mechanics Conference - EFMC2003, Toulouse, 24-28 August, Book of Abstracts p. 171

Ghiaus A.-G., 2003: *Analiza numerica a proceselor din instalatiile de uscare convectiva (Numerical analysis of the processes inside convective drying units)*, Tenth Conference "Efficiency, Confort, Energy Conservation and Environment Protection", Bucharest, 27-28 November, Proceedings pp. 265-271

Ghiaus A.-G., 2003: *Drying processes in agriculture and food industry*, in Romanian: *Procese de uscare in agricultura si industria alimentara*, Technique and Scientific Symposium - IndAgra 2003, Bucharest, 13 November

Ghiaus A.-G., 2002: *Reduction of energy consumption in convective drying processes*, in Romanian: *Reducerea consumului de energie in procesele de uscare convectiva*, Modern science and energy Conference (Stiinta moderna si energia - Producerea, transportul si utilizarea energiei, Editia XXI), Cluj-Napoca, 15-16 May, ISBN 973-656-224-7, Proceedings pp. 278-284

Ghiaus A.-G., Margaris D.P. & Papanikas D.G., 2000: Πιστοποίηση αλγόριθμου προσομοίωσης ξήρανσης φρούτων και λαχανικών (*Validation of drying simulation algorithm of fruits and vegetables*), 2nd Meeting on Research Activities in Fluid Mechanics in Hellas, Volos, 22 May

Ghiaus A.-G., 2000: *Evaluation of dehydration techniques for healthy food preservation in Mediterranean regions*, Postdoctoral Report, Meeting of Fluid Mechanics Laboratory - UoP, Patras, 30 April

Ghiaus A.-G., 1999: *Comportement des boues biologiques activees pendant les procedes de deshydratation* (*Biological activated sludge behavior during dehydration processes*), Postdoctoral Report, Meeting of Laboratoire de Genie des Procèdes de Pau - ENSGTI - UPPA, Pau, 20 December

Ghiaus A.-G. & Papanikas D.G., 1998: *Thermo-fluid investigation of drying processes of agricultural products*, Meeting on Research Activities in Fluid Mechanics in Hellas, Athens, 15 May

Ghiaus A.-G., Margaris D.P. & Papanikas D.G., 1996: *Numerical modelling of unsteady convective drying process for agricultural products*, 4th International Conference on Heat Transfer (Heat Transfer '96), Udine, 8-10 July

Ghiaus A.-G., 1995: *Gas-liquid separation process in baffle-type units*, 7th International Conference on Computational Methods and Experimental Measurements (CMEM 95), Capri, 16-18 May

Ghiaus A.-G., 1994: *Gas-liquid separation processes*, Postgraduate Report, Meeting of Fluid Mechanics Laboratory - UoP, Patras, 30 June

Ghiaus A.-G., 1994: *Elemente de termodinamica aerului umed si transferul de caldura si masa in procese de uscare* (*Elements of wet-air thermodynamics and heat and mass transfer in drying processes*), Doctoral Report, Meeting of Thermal Engineering Department - TUCEB, Bucharest, 13 October

Ghiaus A.-G., 1994: *Metode numerice in transferul caldurii si mase* (*Numerical methods in heat and mass transfer*), Doctoral Report, Meeting of Thermal Engineering Department - TUCEB, Bucharest, 13 October

Ghiaus A.-G., 1994: *Gazodinamica si transferul de caldura in paturi fluidizate* (*Gas-dynamics and heat and mass transfer in fluidised beds*), Doctoral Report, Meeting of Thermal Engineering Department - TUCEB, Bucharest, 13 October

Cazanescu S. & **Ghiaus A.-G.**, 1993: *THERMACOME - Tehnologie moderna in incalzirea cladirilor* (*THERMACOME - modern technology in the buildings heating*), Third National Conference on Thermo-techniques, Bucharest, 28-29 May, Proceedings pp.375-379

Mihalascu G. & **Ghiaus A.-G.**, 1993: *Recuperarea caldurii din aer cald si gaze de ardere cu potential termic scazut in schimbatoare de amestec de tip scrubber* (*Heat recovery from warm air and combustion gases with low thermal potential in mixing heat exchangers of scrubber type*), Third National Conference on Thermo-techniques, Bucharest, 28-29 May, Proceedings pp.276-281

Mihaila C. & **Ghiaus A.-G.**, 1992: *Modelarea proceselor de transfer de caldura si masa la uscarea cerealelor in pat fluidizat* (*Modelling of heat and mass transfer processes of grains drying in fluidised beds*), Second National Conference on Thermo-techniques, Constantza, 29-30 May

Mihaila C., **Ghiaus A.-G.** & Gavriiliuc R., 1991: *Ecuatia energetica folosita la stabilirea performantelor unui schimbator de caldura (Energetic equation used to establish the performances of a heat exchanger)*, First National Conference on Thermo-techniques, Bucharest, 24-25 May, Proceedings pp. 231-240

Mihaila C., Plopeanu D., **Ghiaus A.-G.** & Tarca C., 1991: *Modelarea proceselor de transfer de caldura in tuburi cu sectiune tip picatura (Modelling of heat transfer process in tubes with drop-like section)*, First National Conference on Thermo-techniques, Bucharest, 24-25 May, Proceedings pp. 202-209

Mihaila C. & **Ghiaus A.-G.**, 1990: *Simularea numerica a influentei radiatiei solare asupra regimului termic la cosurile glisante (Numerical simulation of the influence of solar radiation on the thermal regime of slide stacks)*, Numerical Models of Thermal Processes Symposium, Bucharest, 12-14 November

Mihaila C. & **Ghiaus A.-G.**, 1987: *O solutie de reducere a consumurilor de energie la serele de mare capacitate (A solution to reduce energy consumption of high capacity greenhouses)*, 14th Conference of Thermo-energeticists from Romania, Brasov, 10-12 December, p. 18

Mihaila C. & **Ghiaus A.-G.**, 1986: *Acumulator de caldura cu strat fix de bile (Heat storage battery with fixed layer of balls)*, Session of Technical and Scientific Communications, Sibiu, 24-25 October

Burchiu S., Donciu R., Niculescu M. & **Ghiaus A.-G.**, 1985: *Bilant termic al uscatorului de porumb de la C.C.S.-Calarasi (Thermal balance of the maize drier from C.C.S. - Calarasi)*, Session of Scientific Communications, Bucharest, 26-27 April

Ghiaus A.-G., Burchiu S., Donciu R. & Niculescu M., 1984: *Regimul termic in rezervoarele de stocare sezoniera - Partea 2 (Thermal regime of the seasonal storage tanks - Part 2)*, National Conference of Scientific Communications, Sibiu, 16-18 November, p. 10

Paraschivescu C., **Ghiaus A.-G.**, Donciu R., Niculescu M. & Burchiu S., 1984: *Regimul termic in rezervoarele de stocare sezoniera - Partea 1 (Thermal regime of the seasonal storage tanks - Part 1)*, Session of Scientific Communications, Bucharest, 24-25 April

Ghiaus A.-G., 1984: *Aplicarea sistemului integrat de conducere a productiei (SICOP) - sistemul "pregatirea, lansarea si urmarirea lucrarilor" (Application of the integrated system of production management (SICOP) - "work preparation, launching and supervision" system.)*, Session of Scientific Communications, Bucharest, 24-25 April

Iancu A. & **Ghiaus A.-G.**, 1983: *Studii si realizari in Facultatea de Instalatii (Studies and achievements in the Faculty of Building Services)*, Session of Scientific Communications, Bucharest, 25-26 April

Ghiaus A.-G., 1982: *Solutii prin metoda diferentelor finite pentru unele probleme speciale de rezistenta materialelor (Solutions by finite difference method for some special problems of structures and strength of materials)*, Session of Scientific Communications, Bucharest, 23-24 April

dr.ing. Adrian-Gabriel GHIAUS