

John MANTAS
Professor in Health Informatics
Laboratory: Health Informatics Sector: Public Health
Papadiamantopoulou 123 Goudi, Athens, 115 27
Tel: +302107461460 Fax: +302107461461 E-mail: jmantas@nurs.uoa.gr

TEACHING

Undergraduate

1. Introduction to Informatics and Data Analysis, 1st Semester
2. Health Informatics, 2nd Semester
3. Biomedical Informatics and Technology, 3rd Semester
4. Hospital Information Systems, 4th Semester

Postgraduate

1. Informatics Principles, 1st Semester, Specialty "Health Informatics", Inter-University Postgraduate Programme "Healthcare Management – Health Informatics"
2. E-Health and Applications, 1st Semester, Crisis and Disaster Management and Public Health Nursing, Applied Nursing Science, Advanced Clinical Nursing, Advanced Nursing Care and Mental Health of Children and Adults

EDUCATION

Doctoral Diploma: Ph.D. in Computer Sciences, University of Manchester Institute of Science and Technology, UK, 1983

Postgraduate Diploma: M.Sc. in Communication Engineering and Software Engineering, University of Manchester Institute of Science and Technology, UK, 1980

First Degree: B.Sc. (Honours) in Electrical Engineering and Electronics, University of Manchester Institute of Science and Technology, UK, 1979

RESEARCH INTERESTS

1. Health Informatics
2. Nursing Informatics
3. Biomedical Informatics
4. Electronic Health Record
5. Health Information Systems
6. Educational Computer Applications
7. Nursing Practice Classification

RESEARCH PROGRAMMES

1. **PH-ELIM (Enhancement of study programs in Public Health Law, Health Management, Health Economics and Health Informatics in Montenegro)**. Period of Project: 15/10/2016-14/10/2019. "Enhancement of study programs in Public Health Law, Health Management, Health Economics and Health Informatics in Montenegro (PH-ELIM)" is an Erasmus + project fostering cooperation among Institutes and Universities in Germany, Montenegro, Greece, Austria and Hungary. Key project goals are to enhance and modernize the educational system in ME in accordance with common EU best practices, provide education of public health professionals at all levels making them highly competent to support nation in creating sustainable and flexible healthcare system, deliver effective healthcare services and protect citizens against health threats, all by cost-effective and straightforward approach.
2. **RN4CAST (Registered Nurse Forecasting)**. Period of Project: 2009-2011. Organizations who participated in RN4CAST gathered data from nursing staff, asking about characteristics of the nursing job. These data have been explored in terms of health outcomes and patient satisfaction. Aim of this multicenter study was to

examine the nursing profile and the way nursing job is related to health outcomes, in European context.

3. **EUNetPAS (European Union Network for Patient Safety)**. Period of Project: 2008-2010. EUNetPaS aimed to develop an active network of all 27 EU Member States with a central objective to encourage and enhance their collaboration in the field of Patient Safety. Specifically, EUNetPaS seeks to promote a culture of Patient Safety, structure education and training in Patient Safety, propose a core European curriculum for Patient Safety in higher education and as part of continuing education, implement reporting and learning systems and finally pilot implement Medication Safety.
4. **MEDSKILLS (A European Standard for evidence based Medical Skills)**. Period of Project: 2005-2007. During the three years of the project, there has been developed a database with evidence-based guidelines for clinical procedures, aiming to provide a free open source for nursing practice, towards the standardisation of clinical practices across Europe.
5. **EIPEN (European Interprofessional Education Network in health and social care)**. Period of Project: 2005-2007. The prime objective of the EIPEN project was to develop a European Union network to develop and share evidence-based education and training practices for the interprofessional collaboration as well as methods and material for the improvements of collaborative practices in healthcare and social work.
6. **FRR (Friendly Rest Room)**. Period of Program: 2002-2005. Friendly Rest Room is an EU project which aims at making toilet facilities better suited for older people & people with disabilities. It also involves research to define user parameters for design and development. Many elements of the FRR (seat, grab bars, etc.) are individually adjustable to meet the needs of persons with different functional limitations or disabilities.
7. **WISECARE**. WISECARE project focuses on the use of telematics technology for clinical and resource management in oncology care in hospitals. The purpose of the WISECARE was to evaluate the impact of nursing on the quality of patient care in Europe, to systematically use clinical nursing data from electronic patient records for clinical and resource management.
8. **NIGHTINGALE**. Period of Project: 1996-1999. NIGHTINGALE Project is essential in planning and implementation of strategy in Training the Nursing Profession in using and applying healthcare information systems. NIGHTINGALE Project is contributing towards the appropriate use of the developed Telematics infrastructure across Europe by educating and training nurses in a harmonizing way across Europe in the upcoming field of Nursing Informatics.
9. **TELENURSE**. Telenurse is a health sector specific project in relation to the group of projects related to the development of Electronic Patient Records. The objective is the promotion of consensus in Europe about the use of ICNP as common language for nursing.
10. **Erasmus MSc Course in Health Informatics**. Period of Project: 1990-1998.
11. **TELENURSING**
12. **TELENURSE-ID**
13. **EURODIABETA**
14. **GENERAL ARCHITECTURE FOR MEDICAL EXPERT SYSTEMS**
15. **PRECISE**

SCIENTIFIC PUBLICATIONS

1. Stylianides A., Mantas J., Roupa Z., Yamasaki E.N. Development of an Evaluation Framework for Health Information Systems (DIPSA). **Acta Inform Med**. 2018 Dec;26(4):230-234.
2. Moen A., Lovis C., Mihalas G., Mantas J., Peek N., Balicer R., Masikc I.M., Stoicu-Tivadar L. EFMI - European Federation for Medical Informatics Association. Information on IMIA Regional Groups. **IMIA Yearbook of Medical Informatics 2018**; 296-301.

3. Zogas S., Birbas K., Chondrocoukis G., Mantas J. Evaluation of a Laboratory e-Learning Course in Health Informatics. **Stud Health Technol Inform.** 2018;251:317-319.
4. Kolokathi A., Mantas J. Education in Biomedical and Health Informatics: A Mapping Approach. **Stud Health Technol Inform.** 2018;251:313-316.
5. Ognjanović I., Šendelj R., Knaup P., Mantas J., Adany R., Ammenwerth E., Nikolić G., Jakšić Stojanović A., Đurić D. The Stratified Framework for Enhancement of Study Programs in Public Health in Montenegro. **Stud Health Technol Inform.** 2018;251:301-304.
6. Gallos P., Georgiadis C., Liaskos J. Mantas J. Augmented Reality Glasses and Head-Mounted Display Devices in Healthcare. **Stud Health Technol Inform.** 2018;251:301-304.
7. Lovis C., Mihalas G., Mantas J. Peek N., Balicer R., Masic I.M., Stoicu-Tivadar L. EFMI-European Federation for Medical Informatics Association. **Yearb Med Inform.** 2018 Apr 22.
8. Gallos P., Mantas J. The Diffusion of mHealth Applications. **Stud Health Technol Inform.** 2017;245:1221.
9. Mantas J., Wageih M.A. An Overview of the BIOMed Project. **Stud Health Technol Inform.** 2017;238:276-279.
10. Mantas J. Accreditation and Certification in Health Informatics: Principles and Procedures. **Stud Health Technol Inform.** 2017;238:272-275.
11. Gallos P., Minou J., Routsis F., Mantas J. Investigating the Perceived Innovation of the Big Data Technology in Healthcare. **Stud Health Technol Inform.** 2017;238:151-153.
12. Minou J., Routsis F., Gallos P., Mantas J. Investigating the Perceived Innovation of the Big Data Technology in Healthcare. **Stud Health Technol Inform.** 2017;238:151-153.
13. Stylianides A., Mantas J., Roupas Z., Yamasaki E.N. Evaluation of an Integrated Health Information System (HIS) in a Public Hospital in Cyprus: A Pilot Study. **Stud Health Technol Inform.** 2017;238:44-47.
14. Kyriazis D., Autexier S., Bronedino I., Boniface M., Donat L. Engen V., Fernandez R., Jimenez-Peris R., Jordan B., Jurak G., Kiourtis A., Kosmidis T., Lustrek M., Maglogiannis I., Mantas J., Martinez A., Mavrogiorgou A., Menychtas A., Montandon L., Nechifor C.S., Nifakos S., Papageorgiou A., Patino-Martinez M., Perez M., Plagianakos V., Stanimirovic D., Starc G., Tomson T., Torelli F., Traver-Salcedo V., Vassilacopoulos G., Wajid U. CrowdHealth: Holistic Health Records and Big Data Analytics for Health Policy Making and Personalized Health. **Stud Health Technol Inform.** 2017; 238:19-23.
15. Jaspers M.W., Mantas J., Borycki E., Hasman A. IMIA Accreditation of Biomedical and Health Informatics Education: Current State and Future Directions. **Yearb Med Inform.** 2017 May 8;26(1).
16. Haux R., Kulikowski C.A., Bakken S., de Lusignan S., Kimura M., Koch S., Mantas J., Maojo V., Marschollek M., Martin-Sanchez F., Moen A., Park H.A., Sarkar I.N., Leong T.Y., McCray A.T. Research Strategies for Biomedical and Health Informatics. Some Thought-provoking and Critical Proposals to Encourage Scientific Debate on the Nature of Good Research in Medical Informatics. **Methods Inf Med.** 2017 Jan 25;56(Open):e1-e10.
17. Mantas J., Hasman A. IMIA Educational Recommendations and Nursing Informatics. **Stud Health Technol Inform.** 2017;232:20-30.
18. Lialiou P., Pavlopoulou I., Mantas J. Health Professionals' Use of Online Information Retrieval Systems and Online Evidence. **Stud Health Technol Inform.** 2016;228:801-803.
19. Mantas J. Biomedical and Health Informatics Education - the IMIA Years. **Yearb Med Inform.** 2016 Aug 2;Suppl 1:S92-S102.
20. Gallos P., Kolokathi A., Minou I., Mantas J. Do Travelers Accept m-Health Technologies? A Literature Review. **Stud Health Technol Inform.** 2016;226:256-259.
21. Zogas S., Kolokathi A., Birbas K., Chondrocoukis G., Mantas J. The e-Learning Effectiveness Versus Traditional Learning on a Health Informatics Laboratory Course. **Stud Health Technol Inform.** 2016;226:109-112.

22. Lialiou P., Mantas J. Online Information Seeking Behaviour by Nurses and Physicians: A Cross-Sectional Study. **Stud Health Technol Inform.** 2016;225:33-37.
23. Diomidous M., Chardalias K., Magita A., Koutonias P., Panagiotopoulou P., Mantas J. Social and Psychological Effects of the Internet Use. **Acta Inform Med.** 2016 Feb;24(1):66-68.
24. Lialiou P., Mantas J. Health Professionals' Use of Computer Databases to Utilize Research for Practice: A Pilot Study. **Stud Health Technol Inform.** 2015;213:291-293.
25. Gallos P., Mantas J. The "SMART Travel Health" Mobile Application Assessment. **Stud Health Technol Inform.** 2015;213:227-229.
26. Nakos G., Magita A., Mechili A.E., Diomidous M., Mantas J. The Empowerment of Patients with Mental Conditions and Addictions through e-Health. **Stud Health Technol Inform.** 2015;213:210-212.
27. Kolokathi A., Mantas J. Developing an Institutional Repository of Digital Health Information Content. **Stud Health Technol Inform.** 2015;213:183-186.
28. Mpizopoulou K., Mpizopoulou Z., Magita A., Mechili A.E., Diomidous M., Mantas J. Health Professionals Information for Diagnostics Related Groups (DRGs) with the Use of a Website. **Stud Health Technol Inform.** 2015;213:126-127.
29. Minou I., Mantas J. An e-Learning Approach to Hospital Information Systems. **Stud Health Technol Inform.** 2015;213:122-125.
30. Marcano-Cedeño A., Wageih M.A., Gómez E.J., Mantas J. IMIA Dynamic Accreditation Procedure: Suggestions, Simplicity and Efficiency. **Stud Health Technol Inform.** 2015;213:115-118.
31. Wageih M.A., Marcano-Cedeño A., Gómez E.J., Mantas J. Toward More Successful Biomedical Informatics Education Programs and Ecosystems in the Arab World. **Stud Health Technol Inform.** 2015;213:111-114.
32. Chorianopoulou A., Lialiou P., Mechili E.A., Mantas J., Diomidous M. Investigation of the quality and effectiveness of telemedicine in children with diabetes. **Stud Health Technol Inform.** 2015;210:105-109.
33. Griffiths P., Dall'Ora C., Simon M., Ball J., Lindqvist R., Rafferty A.M., Schoonhoven L., Tishelman C., Aiken L.H.; RN4CAST Consortium. Nurses' shift length and overtime working in 12 European countries: the association with perceived quality of care and patient safety. **Med Care.** 2014 Nov;52(11):975-981.
34. Karagianni M., Kaitelidou D., Kalokairinou A., Mantas J. A social network for breast cancer. **Stud Health Technol Inform.** 2014;202:322.
35. Karagianni M., Kaitelidou D., Kalokairinou A., Mantas J. Breast cancer in social media: a literature review. **Stud Health Technol Inform.** 2014;202:321.
36. Karampelas V., Mantas J., Kottaridi C. Proposal for the development of an information system for the evidence-based assessment of medical treatment outcomes and effectiveness. **Stud Health Technol Inform.** 2014;202:319.
37. Karampelas V., Mantas J., Pallikarakis N., Kottaridi C. Proposal for the Development of an Epidemic Prediction and Monitoring System Based on Information Collected via Online Social Networks. **Stud Health Technol Inform.** 2014;202:318.
38. Giorga E., Mantas J. Cost of health services using the Activity Based Costing (ABC) Model: A case study at NIMTS Hospital. **Stud Health Technol Inform.** 2014;202:317.
39. Ponirou P., Diomidous M., Kalokairinou A., Mantas J., Tsimahidou C., Tzavara C. Health Related Quality of Life in a Sample of Older People who are Members of Open Care Centers for the Elderly. **Stud Health Technol Inform.** 2014;202:269-272.
40. Gallos P., Kaitelidou D., Velonakis E., Mantas J. A "Smart" m-health Application for Travelers: The Public's Opinion. **Stud Health Technol Inform.** 2014;202:245-248.
41. Lialiou P., Mantas J. Online information retrieval systems and health professionals. **Stud Health Technol Inform.** 2014;202:146-148.
42. Provatari E., Karampelas V., Diomidous M., Mantas J. Nursing oncology hospital information system and nursing care. **Stud Health Technol Inform.** 2014;202:131-133.
43. Manifava E., Kolokathi A., Mantas J. Exploring the biomedical and health informatics educational programs in europe. **Stud Health Technol Inform.** 2014;202:67-70.

44. Ponirou P., Diomidous M., Mantas J., Kalokairinou A., Kalouri O., Kapadochos T., Tzavara C. Evaluating a Health Educational First aid Program with the Implementation of Synchronous Distance Learning. **Stud Health Technol Inform.** 2014;202:56-59.
45. Ückert F., Ammenwerth E., Dujat C., Grant A., Haux R., Hein A., Hochlehnert A., Knaup-Gregori P., Kulikowski C., Mantas J., Maojo V., Marschollek M., Moura L., Plischke M., Röhrig R., Stausberg J., Takabayashi K., Winter A., Wolf K.H., Hasman A. Past and next 10 years of medical informatics. **J Med Syst.** 2014 Jul;38(7):74.
46. Knaup P., Ammenwerth E., Dujat C., Grant A., Hasman A., Hein A., Hochlehnert A., Kulikowski C., Mantas J., Maojo V., Marschollek M., Moura L., Plischke M., Röhrig R., Stausberg J., Takabayashi K., Uckert F., Winter A., Wolf K.H., Haux R. Assessing the prognoses on Health care in the information society 2013--thirteen years after. **J Med Syst.** 2014 Jul;38(7):73.
47. Hasman A., Mantas J., Zarubina T. An abridged history of medical informatics education in europe. **Acta Inform Med.** 2014 Feb;22(1):25-36.
48. Ausserhofer D., Zander B., Busse R., Schubert M., De Geest S., Rafferty A.M., Ball J., Scott A., Kinnunen J., Heinen M., Strømseng Sjetne I., Moreno-Casbas T., Kózka M., Lindqvist R., Diomidous M., Bruyneel L., Sermeus W., Aiken L.H., Schwendimann R. Prevalence, patterns and predictors of nursing care left undone in European hospitals: results from the multicountry cross-sectional RN4CAST study. RN4CAST consortium. **BMJ Qual Saf.** 2014 Feb;23(2):126-135.

BOOKS

1. Mantas J., Sonicki Z., Crişan – Vida M., Fişter K., Hägglund M., Kolokathi A., Hercigonja-Szekeres M. Decision Support Systems and Education. Amsterdam: IOS Press; 2018.
2. Hasman A., Gallos G., Liaskos J., Househ M.S., Mantas J. Data, Informatics and Technology: An Inspiration for Improved Healthcare. Amsterdam: IOS Press; 2018.
3. Mantas J., Hasman A., Gallos G., Househ M.S. Informatics Empowers Healthcare Transformation. IOS Press: Amsterdam; 2017.
4. Mantas J., Hasman A., Gallos G., Kolokathi A., Househ M.S. Unifying the Applications and Foundations of Biomedical and Health Informatics. Amsterdam: IOS Press; 2016.
5. Mantas J., Hasman A., Househ M.S. Enabling Health Informatics Applications. Amsterdam: IOS Press; 2015.
6. Mantas J., Househ M.S., Hasman A. Integrating Information Technology and Management for Quality of Care. Amsterdam: IOS Press; 2014.
7. Mantas J. Bioinformatics. Athens: Medical Publication Pachalidis; 2013.
8. Mantas J., Hasman A. Informatics, Management and Technology in Healthcare. Amsterdam: IOS Press; 2013.
9. Mantas J., Andersen S.K., Mazzoleni M.C., Blobel B., Quaglini S., Moen A. Quality of Life through Quality of Information. Amsterdam: IOS Press; 2012.
10. Molenbroek J.F.M., Mantas J., De Bruin R. A Friendly Rest Room: Developing Toilets of the Future for Disabled and Elderly People. Amsterdam: IOS Press; 2011.
11. Adlassnig K.P., Blobel B., Mantas J., Masic I. Medical Informatics in a United and Healthy Europe. Amsterdam: IOS Press; 2009.
12. Mantas J. Introduction in Computer Science. Athens: Medical Publication Pachalidis; 2007. (only in Greek language)
13. Hovenga E.J.S., Mantas J. Global Health Informatics Education. Amsterdam: IOS Press; 2004.
14. Mantas J., Hasman A. Textbook in Health Informatics - A Nursing Perspective. Amsterdam: IOS Press; 2001. (in English and Greek language)
15. Mantas J. Health and Medical Informatics Education in Europe. Amsterdam: IOS Press; 2000.
16. Mantas J. Advances in Health Telematics Education: A Nightingale Perspective. Amsterdam: IOS Press; 1998.
17. Mantas J. Health Telematics Education. Amsterdam: IOS Press; 1997.

ORGANIZATIONAL AND ADMINISTRATIVE ACTIVITIES

1. Chairman of the Inter-University Committee of the Inter-University Postgraduate Programme "Health Care Management - Health Informatics" (1998-Now)
1. Director of the Inter-University Postgraduate Programme "Health Care Management-Health Informatics"
2. Vice-President of International Medical Informatics Association (2012-2014)
3. Board Member of the University Council of University of Central Greece (2010-2013)
4. President of European Federation for Medical Informatics (2010-2012)
5. Vice-Rector of the University Council of Cyprus University of Technology (2004-2008)
6. Dean of the Department of Nursing of National and Kapodistrian University of Athens (2001-2003; 2003-2005)
7. Vice-Dean of the Department of Nursing of National and Kapodistrian University of Athens (1997-1999; 1999-2001)
8. Director of Public Health Sector of the Department of Nursing of National and Kapodistrian University of Athens

MEMBERSHIP IN SCIENTIFIC AND PROFESSIONAL ASSOCIATIONS

1. Member of Technical Chamber of Greece (TEE-TCG)
2. Founded Member of Greek Biomedical Informatics and Health Informatics Association - *President*
3. Member of Nursing Studies Association
4. Honorary Member of Academy of Medical Sciences of Romania
5. Member of New York Academy of Science
6. Member of Institute of Electrical and Electronic Engineers, USA
7. Member of Institute of Electrical Engineers, UK
8. Member of British Computer Society
9. Member of American Computing Machinery
10. Member of European Federation for Medical Informatics
11. Member of International Medical Informatics Association
12. Chair of Organising Committee of International Conference on International Conference on Informatics, Management and Technology in Healthcare (ICIMTH)

HONORARY AWARDS

1. Fellow of the International Academy for Health Sciences Informatics (IAHSI)
2. Fellow of the American College of Medical Informatics (ACMI)
3. Fellow (FEFMI) of European Federation for Medical Informatics
4. Who is Who in Science and Engineering
5. Who is Who in Health
6. Academic Institutional Member of International Medical Informatics Association
7. Chair of Working Group on Education of International Medical Informatics Association
8. Scholarship of the University of Manchester Institute of Science and Technology 1982-83, Doctoral Studies
9. Scholarship of the ICL Britain 1981-82, Doctoral Studies
10. Diploma Thesis with Distinction, University of Manchester Institute of Science and Technology