

Monica Platon (Lupsor) – LISTA DE LUCRĂRI

Lucrări publicate in extenso: 120 (30 în calitate de autor principal).

- ISI: 58 (18 ca autor principal)
- BDI: 28 (5 ca autor principal)
- alte articole indexate CNCSIS: 17 (5 ca autor principal)
- Alte articole: 17 (2 ca prim autor)

Lucrări publicate in extenso

1. Lupsor-Platon M. Combination of non-invasive fibrosis tests: a solution for the prediction of advanced fibrosis in non-alcoholic fatty liver disease? *J Gastrointestin Liver Dis*. 2019 Sep 1;28(3):257-259. doi: 10.15403/jgld-415. (ISI, IF= 2.063)
2. Crisan D, Grigorescu M, Crisan N, Craciun R, Lupsor M, Radu C, Grigorescu MD, Suciuc A, Epure F, Avram L, Leach N. Association between PNPLA3[G]/I148M variant, steatosis and fibrosis stage in hepatitis C virus - genetic matters. *J Physiol Pharmacol*. 2019 Aug;70(4). doi: 10.26402/jpp.2019.4.09. Epub 2019 Oct 19. DOI: 10.26402/jpp.2019.4.09. (ISI, IF= 2.544)
3. Stefanescu H, Rusu C, Lupsor-Platon M, Nicoara Farcau O, Fischer P, Grigoras C, Horhat A, Stancu O, Ardelean A, Tantau M, Badea R, Procopet B. Liver Stiffness Assessed by Ultrasound Shear Wave Elastography from General Electric Accurately Predicts Clinically Significant Portal Hypertension in Patients with Advanced Chronic Liver Disease. *Ultraschall Med*. 2019 Sep 2. doi: 10.1055/a-0965-0745. [Epub ahead of print] (ISI, IF 4.613)
4. Procopet B, Fischer P, Horhat A, Mois E, Stefanescu H, Comsa M, Graur F, Bartos A, Lupsor-Platon M, Badea R, Grigorescu M, Tantau M, Sparchez Z, Al Hajjar N. Good performance of liver stiffness measurement in the prediction of postoperative hepatic decompensation in patients with cirrhosis complicated with hepatocellular carcinoma. *Med Ultrason*. 2018 Aug 30;20(3):272-277. doi: 10.11152/mu-1548. (ISI, FI 1.512)
5. Thiele M, Rausch V, Fluhr G, Kjærgaard M, Piecha F, Mueller J, Straub BK, Lupsor-Platon M, De-Ledinghen V, Seitz HK, Detlefsen S, Madsen B, Krag A, Mueller S. Controlled Attenuation Parameter And Alcoholic Hepatic Steatosis: Diagnostic Accuracy and Role Of Alcohol Detoxification. *J Hepatol*. 2018 May; 68(5): 1025-1032. doi: 10.1016/j.jhep.2017.12.029. Epub 2018 Jan 16. PMID: 29343427 (ISI, FI 12.486)
6. Karlas T, Petroff D, Sasso M, Fan JG, Mi YQ, de Ledinghen V, Kumar M, Lupsor-Platon M, Han KH, Cardoso AC, Ferraioli G, Chan WK, Wong VW, Myers RP, Chayama K, Friedrich-Rust M, Beaugrand M, Shen F, Hiriart JB, Sarin SK, Badea R, Lee HW, Marcellin P, Filice C, Mahadeva S, Wong GL, Crotty P, Masaki K, Bojunga J, Bedossa P, Keim V, Wiegand J. Impact of controlled attenuation parameter on detecting fibrosis using liver stiffness measurement. *Aliment Aliment Pharmacol Ther*. 2018; 47(7): 989-1000. doi: 10.1111/apt.14529. Epub 2018 Feb 15 PMID: 29446106 (ISI, FI 7.286)
7. Procopet B, Fischer P, Horhat A, Mois E, Stefanescu H, Comsa M, Graur F, Bartos A, Lupsor-Platon M, Badea R, Grigorescu M, Tantau M, Sparchez Z, Al Hajjar N. Good

- performance of liver stiffness measurement in the prediction of postoperative hepatic decompensation in patients with cirrhosis complicated with hepatocellular carcinoma. *Med Ultrason*. 2018 Aug 30;20(3):272-277. doi: 10.11152/mu-1548. (ISI, FI 1.512)
8. Karlas T, Petroff D, Sasso M, Fan JG, Mi YQ, de Lédighen V, Kumar M, Lupsor-Platon M, Han KH, Cardoso AC, Ferraioli G, Chan WK, Wong VW, Myers RP, Chayama K, Friedrich-Rust M, Beaugrand M, Shen F, Hiriart JB, Sarin SK, Badea R, Jung KS, Marcellin P, Filice C, Mahadeva S, Wong GL, Crotty P, Masaki K, Bojunga J, Bedossa P, Keim V, Wiegand J. Individual patient data meta-analysis of controlled attenuation parameter (CAP) technology for assessing steatosis. *J Hepatol*. 2017 May;66(5):1022-1030. doi: 10.1016/j.jhep.2016.12.022. Epub 2016 Dec 28. (ISI, IF 12.486)
 9. Cristian Vicas, Ioana Rusu, Nadim Al Hajjar, Monica Lupşor-Platon. Deep convolutional neural nets for objective steatosis detection from liver samples. *Proceeding of 2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP) 2017*: 385 – 390 (ISI, IEEE Xplore Digital Library, Scopus)
 10. Lupşor-Platon M, Badea R, Gersak M, Maniu A, Rusu I, Suci A, Vicas C, Stefănescu H, Urs R, Al Hajjar N. Noninvasive Assessment of Liver Diseases using 2D Shear Wave Elastography. *J Gastrointestin Liver Dis*, December 2016; 25 (4): 525-532 (ISI, FI 1.891)
 11. Gersak M, Lupşor-Platon M, Badea R, Ciurea A, Ducea SM. Strain Elastography (SE) for liver fibrosis estimation – which elastic score to calculate? *Med Ultrason* 2016; 18 (4): 481-487. DOI: 10.11152/mu-877 (Corresponding author: Monica Lupşor-Platon); (ISI, FI: 1.167)
 12. Zaro R, Lupsor-Platon M, Cheviet A, Badea R. The pursuit of normal reference values of pancreas stiffness by using Acoustic Radiation Force Impulse (ARFI) elastography. *Med Ultrason*. 2016 Dec 5;18(4):425-430. doi: 10.11152/mu-867. PMID: 27981273 (ISI, FI: 1.167)
 13. Mitrea D, Nedevschi S, Abrudean M, Lupsor-Platon M, Badea R. The Role of the Textural Microstructure Co-occurrence Matrices in the Automatic Detection of the Cirrhosis Severity Grades from Ultrasound Images. *Journal of Control Engineering and Applied Informatics CEA I* 2016;18 (4): 96-106 (ISSN 1454-8658, ISI, FI 0.449)
 14. Bintintan A, Chira RI, Bintintan VV, Nagy GA, Manzat-Saplacan MR, Lupsor-Platon M, Stefanescu H, Duma MM, Valean SD, Mircea PA. Value of hepatic elastography and Doppler indexes for predictions of esophageal varices in liver cirrhosis. *Med Ultrason*. 2015 Mar;17(1):5-11. doi: 10.11152/mu.2013.2066.171.abric. (ISI, IF 1.108)
 15. Lupsor-Platon M, Feier D, Stefănescu H, Tamas A, Botan E, Sparchez Z, Maniu A, Badea R. Diagnostic accuracy of controlled attenuation parameter measured by transient elastography for the non-invasive assessment of liver steatosis: a prospective study. *J Gastrointestin Liver Dis* 2015; 24 (1): 35-42 <http://dx.doi.org/10.15403/jgld.2014.1121.mlp> (ISI IF 2.202)
 16. Friedrich-Rust M, Lupsor M, de Knegt R, Dries V, Buggisch P, Gebel M, Maier B, Herrmann E, Sagir A, Zchoval R, Shi Y, Schneider MD, Badea R, Rifai K, Poynard T,

- Zeuzem S, Sarrazin C. Point Shear Wave Elastography by Acoustic Radiation Force Impulse Quantification in Comparison to Transient Elastography for the Noninvasive Assessment of Liver Fibrosis in Chronic Hepatitis C: A Prospective International Multicenter Study. *Ultraschall Med.* 2015 Jun; 36(3): 239-247. doi: 10.1055/s-0034-1398987 (ISI, IF=4.645)
17. Stefanescu H, Lupsor-Platon M, Badea RI. The devil's triangle of steatosis, obesity, and liver stiffness. *Hepatology.* 2016 Apr;63(4):1392-3. doi: 10.1002/hep.27948. Epub 2015 Jul 28. (ISI, IF 11.055)
 18. Mueller S, Englert S, Seitz HK, Badea RI, Erhardt A, Bozaari B, Beaugrand M, Lupsor-Platon M. Inflammation-adapted liver stiffness values for improved fibrosis staging in patients with hepatitis C virus and alcoholic liver disease. *Liver Int.* 2015 Dec;35(12):2514-21. doi: 10.1111/liv.12904. Epub 2015 Jul 30. (ISI, IF 4.85)
 19. Lupsor-Platon M, Badea R. Noninvasive assessment of alcoholic liver disease using unidimensional transient elastography (Fibroscan®). *World J Gastroenterol.* 2015 Nov 14; 21(42):11914-23. doi: 10.3748/wjg.v21.i42.11914. (ISI, FI 2.369)
 20. Stefanescu H, Procopet B, Platon Lupsor M. Modified spleen stiffness measurement: a step forward, but still not the solution to all problems in the noninvasive assessment of cirrhotic patients. *J Viral Hepat.* 2014 Jul;21(7):e54. doi: 10.1111/jvh.12195. (ISI, IF 3.909)
 21. Badea R, Sudoł-Szopińska I, Mueller S, Ștefănescu H, Lupsor Platon M. Imaging in gastroenterology. *Gastroenterol Res Pract.* 2014; 2014: 963498. doi: 10.1155/2014/963498. (ISI, IF 1,749)
 22. Radu C, Stefanescu H, Procopet B, Lupsor Platon M, Tantau M, Grigorescu M. Is spleen stiffness a predictor of clinical decompensation in cirrhotic patients? *J Gastrointestin Liver Dis.* 2014 Jun; 23(2): 223-4. (ISI, IF 2.202)
 23. Lupsor-Platon M, Ștefănescu H, Mureșan D, Florea M, Szász ME, Maniu A, Badea R. Noninvasive assessment of liver steatosis using ultrasound methods. *Med Ultrason* 2014; 16 (3): 236-245. DOI: 10.11152/mu.2013.2066.163.1mlp (ISI, IF 1.108)
 24. Sporea I, Bota S, Săftoiu A, Șirli R, Gradinăru-Tașcău O, Popescu A, Lupsor Platon M, Fierbinteanu-Braticevici C, Gheonea DI, Săndulescu L, Badea R; Romanian Society of Ultrasound in Medicine and Biology. Romanian national guidelines and practical recommendations on liver elastography. *Med Ultrason.* 2014; 16(2): 123-138. ISI, IF 1.108)
 25. Crisan M, Crisan D, Sannino G, Lupsor M, Badea R, Amzica F. Ultrasonographic staging of cutaneous malignant tumors: an ultrasonographic depth index. *Arch Dermatol Res.* 2013 May; 305(4): 305-313. doi: 10.1007/s00403-013-1321-1. (ISI, IF= 2,279)
 26. Bota S, Sporea I, Peck-Radosavljevic M, Sirli R, Tanaka H, Iijima H, Saito H, Ebinuma H, Lupsor M, Badea R, Fierbinteanu-Braticevici C, Petrisor A, Friedrich-Rust M, Sarrazin C, Takahashi H, Ono N, Piscaglia F, Marinelli S, D'Onofrio M, Gallotti A, Salzl P, Popescu A, Danila M. The influence of aminotransferase levels on liver stiffness assessed by

- Acoustic Radiation Force Impulse Elastography: a retrospective multicentre study. *Dig Liver Dis.* 2013 Sep; 45(9): 762-768. doi: 10.1016/j.dld.2013.02.008. (ISI, IF= 3,054)
27. Badea AF, Lupsor Platon M, Crisan M, Cattani C, Badea I, Pierro G, Sannino G, Baciut G. Fractal analysis of elastographic images for automatic detection of diffuse diseases of salivary glands: preliminary results. *Comput Math Methods Med.* 2013; 2013: 347238. doi: 10.1155/2013/347238. (ISI, IF=0,684)
 28. Badea AF, Tamas Szora A, Ciuleanu E, Chioreanu I, Baciut G, Lupsor Platon M, Badea R. ARFI quantitative elastography of the submandibular glands. Normal measurements and the diagnosis value of the method in radiation submaxillitis. *Med Ultrason.* 2013; 15(3): 173-179. (Pubmed, B+)
 29. *Arena U, *Lupsor Platon M, Stasi C, Moscarella S, Assarat A, Bedogni G, Piazzolla V, Badea R, Laffi G, Marra F, Mangia A, Pinzani M. Liver stiffness is influenced by a standardized meal in patients with chronic hepatitis C virus at different stages of fibrotic evolution. *Hepatology.* 2013; 58(1): 65-72. doi: 10.1002/hep.26343. Epub 2013 May 27. (* UA and MLP contributed equally to this study) (ISI, IF 12,003)
 30. Mitrea D, Lupsor-Platon M, Nedevschi S, Badea R. Discovering the cirrhosis grades from ultrasound images by using textural features and clustering methods (Conference Paper). 2013 36th International Conference on Telecommunications and Signal Processing, TSP 2013; Rome; Italy; 2 July 2013 through 4 July 2013; Category number CFP1388P-ART; Code 100214; 2013, Article number 6614013, Pages 633-637. 2013 36th International Conference on Telecommunications and Signal Processing, TSP 2013 (Scopus)
 31. Lupsor Platon M, Stefanescu H, Feier D, Maniu A, Badea R. Performance of Unidimensional Transient Elastography in Staging Chronic Hepatitis C. Results from a Cohort of 1,202 Biopsied Patients from one Single Center. *J Gastrointestin Liver Dis* 2013; 22 (2): 157-166 (ISI, IF 1,811)
 32. *Feier D, *Lupsor Platon M, Stefanescu H, Badea R. Transient Elastography for the Detection of Hepatocellular Carcinoma in Viral C Liver Cirrhosis. Is there something else than Increased Liver Stiffness? *J Gastrointestin Liver Dis* 2013; 22 (3): 283-289 (*these authors contributed equally to the study) (ISI, IF 1,811)
 33. Stefanescu H, Procopet B, Platon-Lupsor M, Bureau C. Is there any place for spleen stiffness measurement in portal hypertension? *Am J Gastroenterol.* 2013 Oct; 108(10):1660-1. doi: 10.1038/ajg.2013.239. No abstract available. (ISI, IF 7,28)
 34. Vicas C, Lupsor M, Socaciu M, Nedevschi S, Badea R. Influence of expert-dependent variability over the performance of noninvasive fibrosis assessment in patients with chronic hepatitis C by means of texture analysis. *Comput Math Methods Med.* 2012; 2012: 346713. (All the authors have contributed equally to the paper) (ISI, IF=0.814)
 35. Friedrich-Rust M, Nierhoff J, Lupsor M, Sporea I, Fierbinteanu-Braticevici C, Strobel D, Takahashi H, Yoneda M, Suda T, Zeuzem S, Herrmann E. Performance of Acoustic Radiation Force Impulse imaging for the staging of liver fibrosis: a pooled meta-analysis.

- J Viral Hepat. 2012; 19(2): e212-e219. doi: 10.1111/j.1365-2893.2011.01537.x. (ISI, IF 3.502)
36. Crisan D, Crisan M, Moldovan M, Lupsor M, Badea R. Ultrasonographic assessment of the cutaneous changes induced by topical flavonoid therapy. Clin Cosmet Investig Dermatol. 2012; 5: 7-13 (BDI) (Pubmed, Scopus)
 37. Mitrea D, Mitrea P, Nedevschi S, Badea R, Lupsor M, Socaciu M, Golea A, Hagiu C, Ciobanu L. Abdominal Tumor Characterization and Recognition Using Superior-Order Cooccurrence Matrices, Based on Ultrasound Images. Computational and Mathematical Methods in Medicine 2012: 2012:348135. doi:10.1155/2012/348135 (Article ID 348135, 17 pages) (All the authors have contributed equally to the paper) (ISI, IF=0.814)
 38. Crisan D, Lupsor M, Boca A, Crisan M, Badea R. Ultrasonographic assessment of skin structure according to age. Indian J Dermatol Venereol Leprol. 2012; 78(4): 519. (ISI, IF 0.976)
 39. Crisan D, Radu C, Lupsor M, Sparchez Z, Grigorescu MD, Grigorescu M. Two or more synchronous combination of noninvasive tests to increase accuracy of liver fibrosis assesment in chronic hepatitis C; results from a cohort of 446 patients. Hepat Mon. 2012; 12(3): 177-184. (ISI, IF=0,793)
 40. Sporea I, Bota S, Peck-Radosavljevic M, Sirli R, Tanaka H, Iijima H, Badea R, Lupsor M, Fierbinteanu-Braticevici C, Petrisor A, Saito H, Ebinuma H, Friedrich-Rust M, Sarrazin C, Takahashi H, Ono N, Piscaglia F, Borghi A, D'Onofrio M, Gallotti A, Ferlitsch A, Popescu A, Danila M. Acoustic Radiation Force Impulse Elastography for fibrosis evaluation in patients with chronic hepatitis C: An international multicenter study. Eur J Radiol. 2012; 81(12): 4112-4118. doi: 10.1016/j.ejrad.2012.08.018. (ISI, IF 2.606)
 41. Crisan D, Radu C, Grigorescu MD, Lupsor M, Feier D, Grigorescu M. Prospective non-invasive follow-up of liver fibrosis in patients with chronic hepatitis C. J Gastrointestin Liver Dis. 2012; 21(4): 375-382. (ISI, IF= 1.811)
 42. Lupsor M, Badea R, Vicas C, Nedevschi S, Stefanescu H, Grigorescu M, Radu C, Crisan D. Non-invasive Steatosis Assessment through the Computerized Processing of Ultrasound Images: Attenuation versus First Order Texture Parameters. IFMBE Proceedings 2011; 36: 184–189 (BDI)
 43. Vicas C, Lupsor M, Badea R, Nedevschi S. Usefulness of textural analysis as a tool for noninvasive liver fibrosis staging. J Med Ultrasonics 2011. DOI 10.1007/s10396-011-0307-x (ISI, IF=0,412)
 44. Stoean R, Stoean C, Lupsor M, Stefanescu H, Badea R. Evolutionary-driven support vector machines for determining the degree of liver fibrosis in chronic hepatitis C. Artif Intell Med. 2011; 51(1): 53-65. Epub 2010 Aug 2. (ISI, IF=1,568)
 45. Stefanescu H, Grigorescu M, Lupsor M, Procopet B, Maniu A, Badea R. Spleen stiffness measurement using Fibroscan for the noninvasive assessment of esophageal varices in liver cirrhosis patients. J Gastroenterol Hepatol 2011; 26: 164–170. Doi: 10.1111/j.1440-1746.2010.06325.x (ISI, IF 2.317)

46. Badea R, Crisan M, Lupsor M, Fodor L. Diagnosis and characterization of cutaneous tumors using combined ultrasonographic procedures (conventional and high resolution ultrasonography). *Medical ultrasonography* 2010; 12 (4): 317-322 (BDI, Pubmed)
47. Stoean C, Stoean R, Lupsor M, Stefanescu H, Badea R. Feature selection for a cooperative coevolutionary classifier in liver fibrosis diagnosis. *Comput Biol Med.* 2011; 41(4): 238-246. (ISI, IF=1,112)
48. Stefanescu H, Grigorescu M, Lupsor M, Maniu A, Crisan D, Procopet B, Feier D, Badea R. A new and simple algorithm for the noninvasive assessment of esophageal varices in cirrhotic patients using serum fibrosis markers and transient elastography. *J Gastrointestin Liver Dis.* 2011; 20(1): 57-64. (ISI, IF= 1.434)
49. Sporea I, Sirli R, Bota S, Fierbințeanu-Braticevici C, Petrișor A, Badea R, Lupșor M, Popescu A, Dănilă M. Is ARFI elastography reliable for predicting fibrosis severity in chronic HCV hepatitis? *World J Radiol.* 2011; 3(7): 188-193. (Pubmed)
50. Lupsor M. Liver cirrhosis noninvasive assessment with Acoustic Radiation Force Impulse Imaging. *Med Ultrason.* 2011; 13(3): 183-184. (BDI)
51. Sporea I, Sirli R, Popescu A, Bota S, Badea R, Lupșor M, Focșa M , Dănilă M. Is it better to use two elastographic methods for liver fibrosis assessment? *World J Gastroenterol* 2011; 17(33): 3824 -3829 (ISI, IF=2.240)
52. Sporea I, Badea R, Sirli R, Lupsor M, Popescu A, Danila M, Focsa M, Deleanu A. How efficient is acoustic radiation force impulse elastography for the evaluation of liver stiffness? *Hepatitis Monthly* 2011; 11 (7): 532-538 (ISI, IF=0,793)
53. Lupșor M, Badea R, Ștefănescu H, Grigorescu M, Serban A, Radu C, Crișan D, Sparchez Z, Iancu S, Maniu A. Performance of Unidimensional Transient Elastography in Staging Non-Alcoholic Steatohepatitis. *J Gastrointestin Liver Dis* 2010; 19 (1): 53-60 (ISI, IF 1.434)
54. Stoean R, Stoean C, Lupsor M, Stefanescu H, Badea R. Evolutionary Conditional Rules versus Support Vector Machines Weighted Formulas for Liver Fibrosis Degree Prediction. *Annals of the University of Craiova, Mathematics and Computer Science Series* 2010; 37(1): 43-54. (ISSN: 1223-6934) (B+)
55. M. Lupșor, R. Badea, C. Vicaș, S Nedeveschi, M. Grigorescu, C. Radu, H Stefanescu, D. Crisan. Noninvasive steatosis assessment in NASH through the computerized processing of ultrasound images: attenuation versus textural parameters. *Proceedings of 2010 IEEE-International Conference on Automation, Quality and Testing, Robotics.* 2010; 2: 333-338 (BDI) (IEEE Catalog Number CFP 10AQT-PRT))
56. D. Mitrea, S. Nedeveschi, M. Lupsor, M. Socaciu, R. Badea. Advanced classification techniques for improving the automatic diagnosis of the hepatocellular carcinoma based on ultrasound images. *Proceedings of 2010 IEEE-International Conference on Automation, Quality and Testing, Robotics.* 2010; 2: 265-270 (BDI); (IEEE Catalog Number CFP 10AQT-PRT))

57. C. Radu, M. Grigorescu, M. Lupșor, C. Vicaș, S Nedevschi, R. Badea, MD Grigorescu, Z. Spârchez, D. Crisan, D. Feier. The diagnostic performance of attenuation coefficient computed on the ultrasound image compared to a biochemical marker SteatoTest for steatosis quantification in nonalcoholic fatty liver disease. Proceedings of 2010 IEEE-International Conference on Automation, Quality and Testing, Robotics. 2010; 2: 310-314 (BDI, IEEE Catalog Number CFP 10AQT-PRT))
58. C. Vicas, M. Lupșor, R. Badea, S. Nedevschi. Detection of Anatomical Structures on Ultrasound Liver Images Using Gabor Filters. Proceedings of 2010 IEEE-International Conference on Automation, Quality and Testing, Robotics. 2010; 2: 249-253 (BDI); IEEE Catalog Number CFP 10AQT-PRT))
59. Mânzat-Saplacan R, Lupșor M, Mircea PA, Vălean S, Miu N, Burac L, Vălean C, Nanulescu M. Assessment of the regression of fibrosis by using unidimensional transient elastography in patients diagnosed with chronic hepatitis B in childhood. Romanian Journal of Hepatology 2010; 6 (3): 133 – 141
60. Vicas C, Lupșor M, Socaciu M, Badea R, Nedevschi S. Liver Fibrosis detection by the means of texture analysis. Limitations and further development directions. Automat. Comput. Appl. Math. 2010; 19: 397-402 (BDI)
61. Belciug S, Lupșor M. A multi-layer based procedure for detecting liver fibrosis. Annals of University of Craiova, Math. Comp. Sci. Ser. 2009; 36(1): 64–70 (ISSN: 1223-6934, BDI)
62. Lupșor M, Badea R, Ștefănescu H, Spârchez Z, Branda H, Șerban A, Maniu A. Performance of a new elastographic method (ARFI tehnology) compared to unidimensional transient elastography in the noninvasive assessment of chronic hepatitis C. Preliminary results. J Gastrointestin Liver Dis. 2009; 18(3): 303-310 (ISI, IF 1,265)
63. Gorunescu M, Gorunescu F, Badea R, Lupșor M. Evaluation on liver fibrosis stages using the k-means clustering algorithm. Annals of University of Craiova, Math. Comp. Sci. Ser. 2009; 36(2): 19-24. (ISSN: 1223-6934, BDI)
64. Vicas C, Nedevschi S, Lupșor M, Badea R. Automatic detection of liver capsule using Gabor Filters. Applications in steatosis quantification. IEEE 5th International Conference on Intelligent Computer Communication and Processing ICCP 2009; 133 – 140 (Digital Object Identifier 10.1109/ICCP.2009.5284775); (ISI)
65. Lupșor M, Badea R, Vicas C, Nedevschi S, Ștefănescu H, Socaciu M, Radu C , Crisan D, Grigorescu M. The performance of the attenuation coefficient computed on the ultrasound image in quantifying liver steatosis in diffuse liver disease patients. Automat. Comput, Appl. Math. 2009; 18(2): 199-205 (BDI)
66. Vicas C, Nedevschi S, Lupșor M, Badea R. Fibrosis detection using ultrasound and serological markers as features for additive logistic regression. Automat. Comput, Appl. Math. 2009; 18(2): 206-211 (BDI)
67. Mitrea D, Nedevschi S, Lupșor M, Socaciu M, Badea R. Improving the imagistic textural model of the hepatocellular carcinoma through dimensionality reduction techniques and classifier combinations. Automat. Comput, Appl. Math. 2009; 18(2): 218-223 (BDI)

68. Crisan M, Cattani C, Badea R, Cosgarea R, Ducea S, Lupsor M, Stir A, Mitrea P, Mitrea D. Complex Histological, Ultrasonography and Clinical Studies in early noninvasive diagnosis of the Photo-induced Cutaneous Senescence and in the Photo-induced Skin Cancers, using Computerized Imaging, Modern Biotechnology and Mathematical Modelling Methods. *Automat. Comput, Appl. Math.* 2009; 18(2): 231-235 (BDI)
69. Mitrea D, Nedevschi S, Lupsor M, Socaciu M, Badea R. Classification of the Hepatocellular Carcinoma in Ultrasound Images Based on the Imagistic Textural Model of This Tumor. *Proceedings of International Conference on Advancements of Medicine and Health Care through Technology.* Springer Berlin Heidelberg 2009; 26: 267-272. Doi: 10.1007/978-3-642-04292-8_59. (Scopus, ISI)
70. Pais R, Lupsor M, Poantă L, Silaghi A, Rusu ML, Badea R, Dumitraşcu DL. Liver biopsy versus noninvasive methods--fibrosan and fibrotest in the diagnosis of non-alcoholic fatty liver disease: a review of the literature. *Rom J Intern Med.* 2009; 47(4): 331-340 (Pubmed)
71. Mitrea D, Nedevschi S, Lupsor M, Socaciu M, Badea R. Improving the textural model of the hepatocellular carcinoma using dimesnsionality reduction methods. *Proceedings of the 2009 2nd International Congress on image and Signal Processing CISP'09*, art no 5304471 (Scopus, ISI)
72. Mitrea D, Nedevschi S, Lupsor M, Badea R. Textural models based on ultrasound images for the detection of hepatocellular carcinoma in early and advanced stages. *International journal of computers* 2008; 1(2): 66-73
73. Mitrea D, Nedevschi S, Lupsor M, Badea R. Building the imagistic textural model of the liver pathological stages for the early detection of hepatocellular carcinoma based on ultrasound images. *7th WSEAS Int Conf on Applied Computer & applied computational science (ACACOS'08)*, Hangzhou, China, april 6-8. 2008; 764-771 (ISI)
74. Lupsor M, Badea R, Vicaş C, Nedevschi S, Grigorescu M, Stefănescu H, Sparchez Z, Radu C, Crişan D, Serban A. Detection of steatosis in chronic hepatitis C, based on the evaluation of the attenuation coefficient computed on the ultrasound image. *Medical Ultrasonography* 2008; 10(1): 13-20
75. Lupsor M, Badea R, Stefănescu H, Grigorescu M, Sparchez Z, Serban A, Branda H, Iancu S, Maniu A. Analysis of histopathological changes that influence liver stiffness in chronic hepatitis C. Results from a cohort of 324 patients. *J Gastrointestin Liver Dis.* 2008; 17(2): 155-163 (ISI)
76. Lupsor M, Badea R, Vicaş C, Nedevschi S, Grigorescu M, Stefănescu H, Radu C, Crisan D, Sparchez Z, Serban Al, Branda H. Ultrasonographic diagnosis of nonalcoholic steatohepatitis based on the quantitative evaluation of the ultrasound beam behavior into the liver. *Proceedings of 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics.* 2008; 3: 112-117 (ISI); (IEEE CFP08AQT-PRT)
77. Grigorescu M, Radu C, Lupsor M, Vicaş C, Nedevschi S, Badea R, Spârchez Z, Crisan D, Serban Al. Comparison between attenuation coefficient computed on the ultrasound image and a biological marker, adiponectin, in the diagnosis of steatosis in non-alcoholic fatty

- liver disease. Proceedings of 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics. 2008; 3: 118-122 (ISI); (IEEE CFP08AQT-PRT)
78. Mitrea D, Nedevschi S, Lupsor M, Badea R. Exploring the textural parameters obtained from ultrasound images for modelling the liver pathological stages in the evolution towards hepatocellular carcinoma. Proceedings of 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics. 2008; 3: 128-133 (ISI) (IEEE CFP08AQT-PRT)
 79. Cazan R, Dancea O, Capatana D, Stefanescu H, Badea R, Lupsor M, Stoian A. Hepatocellular carcinoma tele-screening system. Proceedings of 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics. 2008; 3: 149-154 (ISI); (IEEE CFP08AQT-PRT)
 80. Mosteanu O, Pop T, Raica P, Lupsor M, Socaciu M, Miclea L, Badea R. Hepatocellular carcinoma angiogenesis assessment- role of ultrasound and mathematical modelling. Proceedings of 2008 IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics. 2008; 3: 171-175 (ISI); (IEEE CFP08AQT-PRT)
 81. Radu C, Grigorescu M, Crisan D, Lupsor M, Constatin D, Dina L. Prevalence and associated risk factors of non-alcoholic fatty liver disease in hospitalized patients. J Gastrointestin Liver Dis 2008; 17: 255-260 (ISI)
 82. Lupsor M, Badea R, Stăfănescu H. Evaluarea neinvazivă a hepatopatiilor difuze cu ajutorul elastografiei tranzitorii unidimensionale (Fibroscan). Revista română de boli infecțioase 2008; 4(11): 244-249
 83. Lupsor M, Badea R, Vicaș C, Nedevschi S, Grigorescu M, Stăfănescu H, Sparchez Z, Branda H, Radu C, Crișan D, Serban A. The diagnosis performance of the attenuation coefficient computed on the ultrasonic image in comparison with the classical ultrasonographic examination, to quantify the hepatic fat content in nonalcoholic steatohepatitis patients. Romanian Journal of Hepatology. 2008; 4: 21-30
 84. Badea R, Lupsor M, Stefanescu H, Vicaș C, Mitrea D, Socaciu M, Nedevschi S. Integrated procedures of evaluating the hepatic morphology, for the non-invasive detection and quantification of steatosis and fibrosis based on the ultrasound diagnosis. Automat. Comput, Appl. Math. 2008; 17(1): 1-11 (BDI)
 85. Nedevschi S, Vicaș C, Lupsor M, Badea R, Grigorescu M. The employment of textural and non textural image analysis algorithms in assessing the diffuse liver diseases. Automat. Comput, Appl. Math. 2008; 17(1): 12-17 (BDI)
 86. Badea R, Pop T, Socaciu M, Moșteanu O, Cărăiani C, Raica P, Manișor M, Miclea L, Mitrea D, Lupsor M, Nedevschi S. The value of the ultrasound image processing procedures, combined with circulation assessment and mathematical modelling techniques for HCC characterization, nature specification and disease prognosis. Automat. Comput, Appl. Math. 2008; 17(1): 18-27 (BDI)

87. Mitrea D, Nedevschi S, Mitrea P, Lupsor M, Socaciu M, Pop T, Mosteanu O, Badea R. The imagistic textural model of hepatocellular carcinoma. Comparison, discussions, conclusions. *Automat. Comput, Appl. Math.* 2008; 17(1): 28-35 (BDI)
88. Florea M, Barbu ST, Crisan M, Silaghi H, Butnaru A, Lupsor M. Spontaneous external fistula of a hydatid liver cyst in a diabetic patient. *Chirurgia* 2008; 103 (6): 695-698 (ISI)
89. Pop TA, Moşteanu O, Badea R, Socaciu M, Lupsor M. Value of Doppler ultrasonography in the depiction of changes in hepatic hemodynamics due to primary liver tumours. *Medical Ultrasonography* 2008; 10(2): 83-88
90. Belciug S, Lupsor M, Badea R. Features selection approach for non-invasive evaluation of liver fibrosis. *Annals of the University of Craiova, Math. Comp. Sci. Ser.* 2008; 35: 15-20
91. Badea R, Cheţan D, Lupsor M, Socaciu M, Stefănescu H, Procopet B. Imaging diagnosis of the portal vein thrombosis. Ethiopathogenical and clinical considerations. The importance of the ultrasound technique and of some complementary ultrasounds based procedures. *Romanian Journal of Hepatology.* 2008; 4 (2-3): 49-55
92. Badea R, Lupsor M, Stefanescu H, Vicas C, Mitrea D, Nedevschi S. The techniques for optimizing the ultrasound method used for the accurate discovery and non-invasive evaluation of steatosis, fibrosis and liver restructuring – SIDEF. *Computers in medical diagnosis. Proceedings of the ICCP 2008, 2nd Workshop on Computers in Medical Diagnosis, Technical University of Cluj-Napoca, Cluj-Napoca, Romania, 2008, pg 1-9*
93. Nedevschi S, Vicas C, Lupsor M, Badea R, Grigorescu M. Usefulness of image processing techniques in assesing the diffuse liver diseases. *Computers in medical diagnosis. Proceedings of the ICCP 2008, 2nd Workshop on Computers in Medical Diagnosis, Technical University of Cluj-Napoca, Cluj-Napoca, Romania, 2008, pg 10-15*
94. Badea R, Pop T, Socaciu M, Mosteanu O, Caraiani C, Lupsor M, Raica P, Manisor M, Miclea L, Mitrea D, Nedevschi S. The complex characterization of the hepatocellular carcinoma throw ultrasound image processinh techniques, vascularity evaluation and mathematical modelling – Angiotumor. *Computers in medical diagnosis. Proceedings of the ICCP 2008, 2nd Workshop on Computers in Medical Diagnosis, Technical University of Cluj-Napoca, Cluj-Napoca, Romania, 2008, pg 16-24*
95. Mitrea D, Medevschi S, Mitrea P, Lupsor M, Socaciu M, Pop TA, Mosteanu O, Badea R. The imagistic textural model of the hepatocellular carcinoma. Comparison, discussion, conclusion. *Computers in medical diagnosis. Proceedings of the ICCP 2008, 2nd Workshop on Computers in Medical Diagnosis, Technical University of Cluj-Napoca, Cluj-Napoca, Romania, 2008, pg 25-33*
96. Badea R, Socaciu M, Lupsor M, Mosteanu O, Pop T. Evaluating the Liver Tumors Using Three-Dimensional Ultrasonography. A Pictorial Essay. *J Gastrointestin Liver Dis.* 2007; 16: 85-92. (ISI)
97. Mitrea D, Nedevschi S, Cenan C, Lupsor M, Badea R. Exploring Texture-Based Parameters, Noninvasive Characterization and Modelling of Diffuse Liver Diseases and

- Liver Cancer from Ultrasound Images. WSEAS Transactions on Computers. 2007; 2 (6): 283-291 (Scopus)
98. Lupșor M, Badea R, Ștefănescu H. New perspectives in the noninvasive evaluation of liver fibrosis: ultrasonic transient elastography (FibroScan®). Romanian Journal of Hepatology. 2007; 3(1): 39-49
 99. Lupșor M, Nedevschi S, Vicaș C, Badea R, Grigorescu M, Tripon S, Ștefănescu H, Radu C, Serban A, Suteu T. Estimating the fibrosis stage in the human liver tissue using image processing methods on ultrasonographic images. Preliminary results. Proceedings of the Euro-Mediterranean Medical Informatics and Telemedicine. 3rd International Conference. 2007: 311-318
 100. Moșteanu O, Pop T, Badea R, Lupșor M, Ștefănescu H, Raica P, Vătăjelu I, Miclea L. Role of Imaging and Modelling in Hepatocellular Carcinoma Angiogenesis Noninvasive Assessment. Acta Electrotehnica 2007; 48 (4): 207-210 [Proceedings of the 1st International Conference on Advancements of Medicine and Health Care Through Technology Meditech 24-29 sept 2007, Cluj-Napoca, Romania]
 101. Mitrea D, Nedevschi S, Mitrea P, Lupșor M, Badea R, Grigorescu M, Ștefănescu H, Tripon S, Radu C. Texture-Based Methods and Data Mining in Ultrasound Images for Diffuse Liver Diseases Severity Characterization. Acta Electrotehnica 2007; 48 (4): 211-216 [Proceedings of the 1st International Conference on Advancements of Medicine and Health Care Through Technology Meditech 24-29 sept 2007, Cluj-Napoca, Romania]
 102. Pop T, Moșteanu O, Badea R, Lupșor M, Tripon S, Raica P, Manișor M, Miclea L. Role of Imaging and Modelling in Tumoral Liver Blood Flow Assessment. Acta Electrotehnica 2007; 48 (4): 223-227 [Proceedings of the 1st International Conference on Advancements of Medicine and Health Care Through Technology Meditech 24-29 sept 2007, Cluj-Napoca, Romania]
 103. Lupșor M, Badea R, Nedevschi S, Vicaș C, Tripon S, Ștefănescu H, Radu C, Grigorescu M. The Assessment of Liver Fibrosis using the Computerized Analysis of Ultrasonographic Images. Is the Virtual Biopsy appearing as an Option? Acta Electrotehnica 2007; 48 (4): 245-250 [Proceedings of the 1st International Conference on Advancements of Medicine and Health Care Through Technology Meditech 24-29 sept 2007, Cluj-Napoca, Romania]
 104. Ștefănescu H, Badea R, Lupșor M, Tripon S, Pop T, Dancea O, Capatâna D, Stoian I, Cazan R, Nedevschi S, Mitrea D, Marita T, Neamtu L, Popita V. Telemedicine Network for Ultrasound Screening of HCC. Acta Electrotehnica 2007; 48 (4): 107-110. [Proceedings of the 1st International Conference on Advancements of Medicine and Health Care Through Technology Meditech 24-29 sept 2007, Cluj-Napoca, Romania]
 105. Mitrea D, Nedevschi S, Lupșor M, Badea R. Texture-based approach for Building the Imagistic Model of Hepatocellular Carcinoma. Proceedings of The 13th International Symposium on System Theory, Automation, Robotics, Computers, Informatics, Electronics and Instrumentation SINTES 13. 2007: 68-73

106. Mitrea D, Nedevschi S, Lupsor M, Badea R, Coman I. Exploring the textural parameters of ultrasound images to build an imagistic model for prostatic adenocarcinoma. Automation, Computers, Applied Mathematics 2007; 16 (3):11-19
107. Vicas C, Nedevschi S, Lupsor M, Badea R, Stefanescu H. Fibrosis detection from ultrasound imaging. The influence of necro-inflammatory activity and steatosis over the detection rates. Automation, Computers, Applied Mathematics 2007; 16 (3): 27-33
108. Vicas C, Nedevschi S, Lupsor M, Badea R, Grigorescu M. Steatohepatitis Detection from Ultrasound Images Using Attenuation and Backscattering Coefficients. Automation, Computers, Applied Mathematics 2007; 16 (3): 20-26
109. Andrei A, Badea R, Lupsor M, Cosgarea R, Hica S, Antofie G, Ionescu I, Avram B. Ultrasonographic features of cutaneous malignant melanoma – a preliminary study. Maedica a Journal of Clinical Medicine 2006; 1(1): 13-22
110. Badea R, Ștefănescu H, Lupsor M, Sparchez Z, Branda H, Pop T, Tripon S, Grigorescu M, Nedevschi S, Stoian I, Popița V, Mitrea D, Căpățană D, Dancea O, Suteu O, Neamțiu L. Screening and surveillance in liver cirrhosis. Actual trends for the early detection of hepatocellular carcinoma. Is the Telehepascan project a viable option? Romanian Journal of Hepatology 2006; 2(1): 27-35
111. Badea R, Lupsor M, Ștefănescu H, Nedevschi S, Mitrea D, Serban A, Vasile T. Ultrasonography contribution to the detection and characterization of hepatic restructuring: Is the „virtual biopsy” taken into consideration? J Gastrointestin Liver Dis. 2006;15(2): 189-194 (BDI)
112. Badea R, Andrei A, Cosgarea R, Avram B, Lupsor M, Ionescu I, Vasile T, Hica S, Antofie G. Aportul explorării ultrasonografice la diagnosticul și stadializarea melanomului cutanat malign. Revista Romană de Ultrasonografie 2006; 8 (1-2): 9-20
113. Lupsor M, Badea R, Nedevschi S, Mitrea D, Florea M. Ultrasonography contribution to hepatic steatosis quantification. Possibilities of improving this method through computerized analysis of ultrasonic image. Proceedings of IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics. 2006; 2: 478-483 (ISBN: 1-4244-0360-X), (IEEE 06EX1370) (ISI)
114. Ștefănescu H, Badea R, Lupsor M, Stoian I, Schiau CI, Dancea O. Telescreening system for the early detection of hepatocellular carcinoma. IEEE-TTTC International Conference on Automation, Quality and Testing, Robotics. 2006; 2: 473-477 (ISBN: 1-4244-0360-X) (IEEE 06EX1370) (ISI)
115. Suteu T, Badea R, Golea A, Lupsor M. Aportul diagnostic al ultrasonografiei în evaluarea sindromului dureros acut epigastric. Revista română de Ultrasonografie 2006; 8 (4): 219-228
116. Lupsor M, Badea R. Imaging diagnosis and quantification of hepatic steatosis: is it an accepted alternative to needle biopsy? Romanian Journal of Gastroenterology 2005; 14(4): 419-425 (BDI)

117. Lupsor M, Badea R, Tripon S, Florea M, Nedevschi S, Mitrea D, Duma L, Gribovschi M. Ultrasonography contribution to the evaluation of hepatic steatosis in diabetes mellitus patients. Romanian Journal of Hepatology. 2005; 1(1): 23-31
118. Mitrea D, Nedevschi S, Fratila B, Lupsor M. Texture-based method in biomedical image recognition of diffuse liver diseases. International Conference on System Theory, SINTES 12 Proceedings. 2005; 3: 629-634
119. Fărcaș G, Miu N, Lupșor M. Artrita Reumatoidă Juvenilă. Aspecte clinico-evolutive și terapeutice. Jurnalul Român de Pediatrie 2002; 2: 60-64.
120. Ionescu O, Zanc V, Lupșor D, Florea R, Lupșor M. Chist hidatic localizat primar în scizura oblică pulmonară stângă. Clujul Medical 2002; 4: 678-682.