

## CURRICULUM VITAE

**HALANAY ANDREI , profesor, doctor în matematică , Facultatea de Științe Aplicate , Departamentul de Matematică și Informatică , Universitatea Politehnică București.**

1.DATA ȘI LOCUL NAȘTERII: 18 august 1952, București.

### STUDII :

- a 1967-1971, Liceul Dimitrie Cantemir, București.
- b 1971-1975, Facultatea de Matematică , Universitatea din București . Media de absolvire: 9,94. Diploma de licență în matematică , nota 10.
- c 1975-1976, Facultatea de Matematică, Universitatea din București, Specializare în Analiză matematică (anul V) . Media 10. Lucrare de specializare notată cu 10. Diploma de specializare cu recomandare pentru învățământul superior și cercetare științifică.

### TITLURI:

- a Doctor în Matematică, Facultatea de Matematică, Universitatea din București , 1989. Teza de doctorat : **Legături între analiza armonică a operatorilor și analiza numerică a sistemelor hiperbolice. O teoremă de existență a subspațiilor invariante pentru unele contracții cu raza spectrală unu,** conducător științific profesor doctor Ion Colojoară.

### 2.FUNCȚII DIDACTICE ȘI LOCURI DE MUNCĂ

- b 1976 – 1982 : Profesor de Matematică la Liceul Industrial nr.25(actualul liceu teoretic Traian) din București. In anul 1981 am promovat examenul de definitivare în învățământ cu media 10.
- c 1982 – 1990 : Asistent la Catedra de Matematică nr.1 din Universitatea Politehnică București.
- d 1990 – 1998 : Lector la Catedra de Matematică nr.1 din Universitatea Politehnică București.
- e 1998 –2005: Conferențiar la Catedra de Matematică nr.1 din Universitatea Politehnică București.
- f 2005-prezent: Professor la Catedra de Matematică nr.1 din Universitatea Politehnică București. In anul 2010 am primit dreptul de a conduce doctorate.
- 2010- drept de conducere doctorate

### 3. Abilitati lingvistice (1=slab, 5=excelent)

Limba1: Engleza, Scris 4, Citit 5, Nivel conversational 4.

Limba2: Franceza, Scris 4, Citit 5, Nivel conversational 4.

Limba 3: Rusa, Scris 2, Citit 4, Nivel conversational 1.

### 4. Cuvinte cheie

**Specialist** : analiza matematica, teoria operatorilor, model functional Nagy-Foias, spectru, factorizare, functii analitice, algebre de functii, ecuatii diferentiale, stabilitate, bifurcatii, control, servomecanisme, ecuatii cu intarziere, varietate centru, sisteme cu comutare

**Generalist** : matematica, modele matematice in tehnica, modele matematice in biologie.

### 5. Mentiiuni suplimentare :

1. Membru al Comisiei de matematica a CNATDCU 2012-2016 .
2. Membru in Comisia de etica a UPB 2012-2016.
3. Co-organizator al Sesiunii Speciale *Mathematical Modeling of Some Medical and Biological Processes*, in cadrul celui de-al 8-lea Congres al Matematicienilor Romani, Iasi, 2015.
4. Co-organizator al Sesiunii Speciale *Delay Differential Equations Models in Life Sciences, Engineering and Economics* din cadrul ICNPAA 2014.
5. Presedinte al sesiunii II a Minisimpozionului *Dynamics of cell population*, la cea de-a Treia Conferinta Internationala a Societatii Marocane de Matematici Aplicate, Marrakesh, septembrie 2012.
6. Membru in Editorial board al revistei **Mathematics in Engineering, Science and Aerospace**, (SUA).
7. Profesor invitat la a 30-a Scoala de Vara in Control Automat, Grenoble, Franta, 22-26 Iunie 2009
8. Co-organizator al sectiunii **Control of aviation servomechanisms and interaction with structure**, ICNPAA 2008, Genova, Italia.
9. Co-organizator al conferintei "**Modelisation mathematique en biologie et en medicine**", Craiova, 2006.

# LISTA DE LUCRĂRI

## Capitole in volume apărute în edituri internaționale

1. C. Murea, A.Halanay (2017), Uniform Estimation of a Constant Issued from a Fluid-Structure Interaction Problem, System Modeling and Optimization, Lorena Bociu, Jean-Antoine Désidéri, Abderrahmane Habbal (Eds.), IFIP Advances in Information and Communication Technology, Vol. 494, p. 292-302 , ISBN 978-3-319-55794-6, Springer, Berlin.
2. I.R. Rădulescu, D. Cîndea, A. Halanay (2017), A Complex Mathematical Model with Competition in Leukemia with Immune Response - An Optimal Control Approach, System Modeling and Optimization, Lorena Bociu • Jean-Antoine Désidéri, Abderrahmane Habbal (Eds.), IFIP Advances in Information and Communication Technology, Vol. 494, p. 430-442 , ISBN 978-3-319-55794-6, Springer, Berlin
3. C. Murea, A.Halanay (2013), Embedded domain technique for a fluid-structure interaction problem, System Modeling and Optimization, D. Homberg, F. Troltsch eds., IFIP Advances in Information and Communication Technology, vol 391, p. 358-367, ISBN 978-3-642-36061-9, Springer, Berlin.
4. A.Halanay, C. Murea (2013), Fixed domain algorithms in shape optimization for stationary Navier-Stokes equations, System Modeling and Optimization, D. Homberg, F. Troltsch eds. IFIP Advances in Information and Communication Technology, vol 391, p. 378-386, ISBN 978-3-642-36061-9, Springer, Berlin.
5. A. Halanay, I. Ursu (2011), Stability analysis of equilibria in a switching nonlinear model of a hydrostatic electrohydraulic actuator, in *Mathematical Analysis and Applications in Engineering Aerospace and Sciences*, S. Sivasundaram (ed). Cambridge Scientific Publishers, ISBN 978-1-904868-79-8
6. S. Balea, A. Halanay, F. Ursu, I. Ursu (2009), Geometric Methods in Control Synthesis for Electrohydraulic Servoactuators in Servoelastic Framework, *Mathematical Problems in Engineering and Aerospace Sciences : ICNPAA 2008*, S.Sivasundaram (ed), pp. 51-57, Cambridge Scientific Publishers, ISBN 978-1-904868-70-5.
7. A.Halanay, I. Ursu (2009), Stabilization in Switching Models for Electrohydraulic Servoactuators in a Servoelastic Framework, *Mathematical Problems in Engineering and Aerospace Sciences : ICNPAA 2008*, S.Sivasundaram (ed), pp. 73-80, Cambridge Scientific Publishers, ISBN 978-1-904868-70-5.
8. A.Halanay, I. Ursu, C. A. Safta, F. Ursu (2009), Control Synthesis for Electrohydraulic Servoactuators in a Servoelastic Framework, *Mathematical Problems in Engineering and Aerospace Sciences : ICNPAA 2008*, S. Sivasundaram (ed), pp. 716-723, Cambridge Scientific Publishers, ISBN 978-1-904868-70-5.
9. A. Halanay, C. A. Safta, F. Ursu, I. Ursu (2007), Stability analysis and tracking control synthesis of a hydraulic servo in a servoelastic framework: backstepping design, *Mathematical Problems in Engineering and Aerospace Sciences :*

- ICNPAA 2006, S.Sivasundaram (ed)*, pp. 839-846, Cambridge Scientific Publishers, ISBN 978-1-904868-56-9.
10. A. Halanay, F. Popescu, C. A. Safta, F. Ursu, I. Ursu (2005), Stability analysis and nonlinear control synthesis for hydraulic servos actuating primary flight controls, in *ICNPAA 2004, S. Sivasundaram editor*, pp.243-251, Cambridge Scientific Publishers.
11. A.Halanay (1987), Extension of the (BCP)-technique, in *Operators in Indefinite Metric Spaces, Scattering Theory and Other Topics (H. Helson, B. Sz.-Nagy, F. H. Vasilescu, D. Voiculescu, editori)*, Birkhäuser, pp.195-201, ISBN 3-7643-1843-0.

### **Lucrări in reviste internaționale**

1. R. Radulescu, D. Candea, A. Halanay (2016), Optimal control analysis of a leukemia model under imatinib treatment, *Mathematics and Computers in Simulation* 121(2016), 1-11, (Elsevier) (revista **ISI**, Impact Factor 0,949, 5-Years impact factor 1,033) (ISSN 0378-4754).
2. D. Candea, A. Halanay, R. Radulescu (2016), Stability analysis of some equilibria in a time-delay model for cell dynamics in leukemia including the action of the immune system, *MESA*, vol. 7, no2, 315-339 (SUA).
3. Andrei Halanay, Cornel Marius Murea and Dan Tiba (2016), Existence of a Steady Flow of Stokes Fluid Past a Linear Elastic Structure Using Fictitious Domain, *J. Math. Fluid Mech.*, 18 , 397-413, DOI 10.1007/s00021-015-0247-0 (revista **ISI**, Impact factor 1, 186) (ISSN 1422-6928)
4. A. Halanay, L. Pandolfi (2015), Approximate controllability and lack of controllability to zero of the heat equation with memory, *J. Math. Anal. Appl.* 425 (2015) 194–211.(revista **ISI**, Impact factor 1, 119; 5-Years impact factor 1,233) (ISSN 0022-247X).
5. A. Halanay, D. Candea, R. Radulescu (2015), Stability analysis of equilibria in a delay differential equations model of CML including asymmetric division and treatment, *Mathematics and Computers in Simulation* 110(2015), 69-82, DOI:10.1016/j.matcom.2014.04.008 (Elsevier) (revista **ISI**, Impact Factor 0,949, 5-Years impact factor 1,033) (ISSN 0378-4754).
6. I. R. Radulescu, D. Candea, A. Halanay (2014), A study on stability and medical implications for a complex delay model for CML with cell competition and treatment, *Journal of Theoretical Biology*, vol 363, 30-40 (revista **ISI**, Impact factor 2, 303; 5-Years impact factor 2, 394) (ISSN 0022-5193).
7. A. Halanay, L. Pandolfi (2014), Lack of controllability of thermal systems with memory, *Evolution Equations and Control Theory*, vol. 3, no. 3, 485-497 ( revista **ISI** , Impact factor 0,373) (AIMS Journal, SUA) (ISSN 2163-2480 (e)).

8. A. Halanay, D. Candea, R. Radulescu (2014), Existence and Stability of Limit Cycles in a Two-delays Model of Hematopoiesis Including Asymmetric Division, *Mathematical Modeling of Natural Phenomena*, vol.9, no.1, 58-78. (Franta) (revista **ISI**, impact factor 0,725) (ISSN 0973-5348).
9. S. Balea, A. Halanay, D. Jordan, M. Neamtu, C. Safta (2014), Stability analysis of a feedback model for the action of the immune system in leukemia, *Mathematical Modeling of Natural Phenomena*, vol.9, no.1, 108-132. (Franta) (revista **ISI**, impact factor 0,725) (ISSN 0973-5348).
10. I. Ursu, A. Toader, A. Halanay, S. Balea (2013), New stabilization and tracking control laws for electrohydraulic servomechanisms, *European J. of Control* 19, 65-80. (revista **ISI**, impact factor 0,826; SRI 1, 084) (ISSN 0947-3580)
11. A. Halanay, C. Murea, C. A. Safta, (2013), Numerical Experiments for Stabilization of the Heat Equation by Dirichlet Boundary Control, *Journal of Numerical Functional Analysis and Optimization*, vol. 34, no.12, 1317-1327 (revista **ISI**, impact factor 0,591).
12. S. Balea, A. Halanay, I. Ursu (2013), New results on the problem of the stabilization of equilibria for models of electrohydraulic servomechanisms, *Discrete and Continuous Dynamical Systems, series S*, vol. 6, no. 6, 1551-1567.(revista **ISI**, Impact factor 0,567)(SUA).
13. A. Halanay, L. Pandolfi (2012), Lack of controllability of the heat equation with memory, *Systems & Control Letters*, 61, 999-1002, doi:10.1016/j.sysconle.2012.07.002 (revista **ISI**, impact factor 1,222)
14. A. Halanay (2012), Periodic solutions in a mathematical model for the treatment of chronic myelogenous leukemia , *Mathematical Modeling of Natural Phenomena*, vol.7, no.1, 235-244. (Franta) (revista **ISI**, impact factor 0,725) (ISSN 0973-5348).
15. S. Balea, A. Halanay, I. Ursu (2010), Coordinates transformation and stabilization for switching models of actuators in servomechanism framework, *Applied Mathematical Sciences*, vol. 4, no 73-76, 3625-3643.
16. A. Halanay, A. Ionita, C. A. Safta (2010), Hopf bifurcations through delay in pilot reaction in a longitudinal flight, *Nonlinear Dynamics*, 60(3), pp. 413-423, DOI : 10.1007/s11071-009-9605-x.. (SUA) (revista **ISI**, Impact factor 2, 849) .
17. A. Halanay, D. Tiba (2009), Shape optimization for stationary Navier-Stokes equations, *Control and Cybernetics*, vol. 38, no. 4, 1359-1375. (Polonia )(revista **ISI**, Impact factor 0,3)
18. A. Halanay, I. Ursu (2009), Stability of some switched nonlinear systems with applications to control synthesis for electrohydraulic servomechanisms, *IMA Journal of Applied Mathematics*, vol. 74, no 3, 361-373; ( Anglia) (revista **ISI**, Impact factor 0,947).
19. A. Halanay, C. A. Safta, I. Ursu, F. Ursu (2009), Stability analysis for a nonlinear model of a hydraulic servomechanism in a servomechanism framework, *Nonlinear Analysis: Real World Applications*, 10, 1197-1209 (SUA) (revista **ISI**, Impact factor 2,519).

20. M. Adimy, F. Crauste, A. Halanay, M. Neamtu, D. Opris (2006), Stability of Limit Cycles in a Pluripotent Stem Cell Dynamics Model, Chaos, Solitons and Fractals, 27(4), 1091-1107. (Elsevier) (revista **ISI**, Impact factor 1, 448).
21. A.Halanay, C. A. Safta (2005), Stabilization of some nonlinear controlled electrohydraulic servosystems, Applied Mathematics Letters, vol.18, no.8, pp.911-915, (SUA) (revista **ISI**, Impact factor 1,337).
22. A.Halanay, C.A.Safta, I.Ursu, F.Ursu (2004), Stability of equilibria in a four- dimensional nonlinear model of a hydraulic servomechanism, Journal of Engineering Mathematics, vol. 49,no.4, p.391-406 (Olanda) ( revista **ISI**, Impact factor 0,803)
23. A.Halanay (2003), On the stability of some equilibrium points in a plankton population model,Dynamical Systems.An International Journal,18,no.3,p.227-231.(Marea Britanie) (revista **ISI**)
24. A.Halanay, C. A. Safta (2000), Existence and stability of normal motions in loaded hydraulic copying systems with periodic and composed inputs, Z. Angew. Math. Mech., 80, no. 2, 93-101. (Germania) (revista **ISI**)
25. A.Halanay, C. A .Safta (1999), Stability and accuracy of steady-state motions in loaded copying systems:an analytical approach, Computer Assisted Mech.and Engineering Sci., 6, p.107-113. (Polonia)
26. A. Halanay, C. A. Safta (1998), Periodic motions for loaded two control edges hydraulic copying systems, Computer Methods in Applied Mechanics and Engineering, 158, p. 367-374. (SUA) (revista **ISI**)
27. A. Halanay (1991), A model for a general linear bounded operator between two Hilbert spaces, Acta.Sci Math. (Szeged), 55, no.1-2, p.119-128.(Ungaria).
28. A. Halanay (1990), On the existence of invariant subspaces for some contractions with spectrum dominating an arc on the unit circle, J. Operator Theory, 23, p. 51-66. (Romania) (revista **ISI**)

### Lucrări in reviste naționale

1. I.R. Rădulescu , D. Căndea, A. Halanay (2016) , *Stability analysis of some equilibria in a time-delay model for competition of leukemia and healthy cells in CML*, Bull. Math. Soc. Sci. Math. Roumanie, Vol. 4 , ISSN: 1220-3874. ( revista **ISI**, IF 0,521)
2. I. Badralexi, A. Halanay, I. R. Radulescu (2015), A Lyapunov-Krasovskii Functional for a Complex System of Delay-Differential Equations, U.P.B. Sci. Bull., Series A, Vol. 77, Iss. 2, 2015 .( revista **ISI**).
3. D. Candea, A. Halanay, R. Radulescu (2013), Stability analysis in a model for stem-like hematopoietic cells dynamics in leukemia under treatment, Mathematics and its Applications, vol.5, no. 1-2, pp. 148-176.

4. A. Halanay, C. Murea si D. Tiba (2013), Existence and approximation for a stedy fluid-structure interaction using fictitious domain approach with penalization, Mathematics and its Applications, vol.5, no. 1-2, pp. 120-147.
5. S. Balea, A. Halanay, I. Ursu (2010), Coordinate transformations and stabilization of some switched control systems with application to hydrostatic electrohydraulic servoactuator, Control Engin. Appl. Informatics, vol 12, no. 3, pp 67-72.( revista **ISI**, IF 0, 537).
6. A. Halanay, A. Ionita (2010), Existence and stability of periodic motions in some roll-coupling dynamics of an aircraft, Proc. Romanian Academy, Ser. A, vol 11. no.2, pp. 103-107 ( Lucrare **ISI**, IF 1, 658).
7. A. Halanay (2010), Stability analysis for a mathematical model of chemotherapy action in hematological diseases, Bull. Math. Soc. Sci. Math. Roumanie, 53 (101), no. 1, pp. 3-10 (Lucrare **ISI**, IF 0,521).
8. A. Halanay (2010), Treatment induced periodic solutions in some mathematical models of tumoral cell dynamics, Mathematical Reports, 12(62), no. 4, pp.329-339 (Lucrare **ISI**, IF 0,12)
9. S. Balea, A. Halanay, I. Ursu (2009), Stabilization through coordinates transformation for switched systems associated to electrohydraulic servomechanisms, Mathematical Reports, 11(61), no. 4, p. 279-292 (Lucrare **ISI**, 0,12).
10. I.Ursu, F. Ursu, A.Halanay, C.A.Safta (2008), Equilibrium Stability of a Servo Actuating Flight Controls in a Servoelastic Framework, Acta. Univ. Apulensis, 15, pp. 179-189.
11. A. Halanay, I. Ursu (2007), Stability of equilibria in a model for electrohydraulic servomechanisms , Mathematical Reports, vol 9(59), nr.1, pp. 47-54.
12. A. Halanay (2007), Some remarks on the stability of the “dead-ocean” steady-state in a plankton population model, Bull. Math. Soc. Sci. Math.Roumanie, Tome 50(98), no.2 (Lucrare **ISI**, IF 0, 521).
13. A. Halanay (2004), Controlled factorization for some commuting pairs of contractions with thin spectrum, Revue Roum. de Math. Pures et Appl. 49, no. 4, 323-354.
14. A. Halanay (2001), Weak\*-embedding  $l^1$  into  $H^\infty(D)$ :an example, Bull.Math.Soc.Sci.Math.Roumanie 44(92), no.2, p.199-207.
15. A. Halanay (1999), Factorisation for contractions with essential resolvent rapidly growing near an arc on the unit circle,Math.Reports 1,no.1,p.49-81.
16. A. Halanay, C.A.Safta(1999),Behaviour of unloaded copying systems near the stability boundary, Sci. Bull.UPB Ser.A, 61, no.1-2, p.65-81.
17. A. Halanay (1998), On perturbation of boundedly complete basic sequences in Banach spaces, Sci. Bull. UPB Ser.A, 60, no. 3-4,p.129-135.
18. A. Halanay, C. A. Safta, N.Vasiliu (1998), Periodic motions in hydraulic copying systems, Bull. Șt. Univ. Pitești, Ser. Mat.-Fiz.2, p. 115-122.
19. A. Halanay (1997), Sequences of non-weakly compact sets in  $\mathbf{A(D)}^*$  and Schauder decompositions of  $l^1$  , Stud.Cerc.Mat.49,no.5-6,p.331-338.

20. A. Halanay (1996), Subspaces of  $H^\infty$  and the study of contractions with spectral radius one, *Revue Roumaine de Math. Pures et Appl.* 41,no.1-2, p.51-82.
21. A.Halanay (1989), A  $J$ -isometric dilation of a continuous semigroup with positive generator, *Revue Roumaine de Math.Pures et Appl.*34,no. 1,p.23-27.

## **Lucrări in volume ale unor conferințe internaționale**

1. I. Badralexi, A. Halanay (2017), Stability and oscillations in a CML model, *Mathematical Problems in Engineering, Aerospace and Science, ICNPAA 2016, AIP Conference Proceedings*, **1798**, 020011 (2017); doi: 10.1063/1.4972603 (**ISI Proceedings**)
2. A. Halanay, C. A. Safta , C. Dragoi , V. Piraianu (2017), Stability analysis for a delay differential equations model of a hydraulic turbine speed governor model, *Mathematical Problems in Engineering, Aerospace and Science, (ISI Proceedings)*
3. D. Canda, A. Halanay, R. Radulescu, R. Talmaci (2017), Parameter estimation and sensitivity analysis for a mathematical model with time delays of leukemia, *Mathematical Problems in Engineering, Aerospace and Science, ICNPAA 2016 AIP Conference Proceedings*, **1798**, 020034 (2017); doi: 10.1063/1.4972626, (**ISI Proceedings**)
4. A. Halanay, D. Canda, R. Radulescu (2014), A model with competition between the cell lines in leukemia under treatment, *ICNPAA -2014*, ed. S. Sivasundaram, *American Institute of Physics Proceedings* 1637, 1325-1334, doi: 10.1063/1.4907296 (**ISI Proceedings**).
5. C. A. Safta, S. Balea, A. Halanay, M. Neamtu (2014), Parameter analysis for a mathematical model of the immune system in leukemia, *ICNPAA -2014*, ed. S. Sivasundaram, *American Institute of Physics Proceedings* 1637, 1307-1315, doi: 10.1063/1.4907296 (**ISI Proceedings**).
6. S. Balea, A. Halanay, M.Neamtu (2014), A feedback model for leukemia including cell competition and the action of the immune system, *ICNPAA -2014*, ed. S. Sivasundaram, *American Institute of Physics Proceedings* 1637, 1316-1324, doi: 10.1063/1.4907296 (**ISI Proceedings**).
7. R. Radulescu, D. Canda, A. Halanay (2012), Stability and bifurcation in a model for the dynamics of stem-like cells in leukemia under treatment, *ICNPAA - 2012*, ed. S. Sivasundaram, *American Institute of Physics Proceedings*, 1493, p. 758-763, ISBN 978-0-7354-1105-0 (**ISI Proceedings**).
8. S. Balea, A. Halanay, D. Jordan (2012), A delay differential equations mathematical model for the immune response in leukemia, *ICNPAA-2012*, ed. S. Sivasundaram, *American Institute of Physics Proceedings* 1493, p. 67-71, ISBN 978-0-7354-1105-0 (**ISI Proceedings**).
9. A. Halanay (2012), Periodicity in cell dynamics in some mathematical models for the treatment of leukemia, *ICNPAA - 2012*, ed. S. Sivasundaram, *American Institute of Physics Proceedings* 1493, p. 446-450,



- ISBN 978-0-7354-1105-0 (**ISI- Proceedings**).
10. C. A. Safta, A. Halanay, A. Ionita (2012) Analysis of the dynamics of a delay system modeling a longitudinal flight, ICNPAA - 2012, ed. S. Sivasundaram, American Institute of Physics Proceedings 1493, p. 854-858, ISBN 978-0-7354-1105-0 (**ISI- Proceedings**).
  11. M. Stoia-Djeska, C. A. Safta, A. Halanay, C. Petrescu (2012), Sensitivity Analysis of Eigenvalues for an Electro-Hydraulic Servomechanism, ICNPAA - 2012, ed. S. Sivasundaram, American Institute of Physics Proceedings 1493, p. 977-982, ISBN 978-0-7354-1105-0 (**ISI- Proceedings**).
  12. A. Halanay (2009), Periodic Solutions in Mathematical Models for Hematological Diseases Under Treatment, Proceedings of the 8<sup>th</sup> IFAC Workshop on Time-Delay Systems, Sept. 1-3, 2009, Sinaia, Romania
  13. A. Halanay, F. Ursu, I. Ursu, S. Balea (2007), Geometric control in a regulator problem for electrohydraulic servos, IEEE Proceedings of the 15-th Mediteranean Conference on Control and Automation, Atena, 27-29 iunie (**Lucrare ISI**).
  14. A. Halanay, C. A. Safta (2000), Analysis of electrohydraulic follow-up systems: an analitical approach, Fifth International Conference on Hydraulic Machinery and Hydrodynamics, Timisoara, p. 97-102.

#### **Comunicari la conferinta internationala, volume de rezumate, preprinturi**

1. A. Halanay, D. Candea (2016), A complex model for cell evolution in hematological diseases incorporating treatment, competition and the action of the immune system, XIIIeme Colloque Franco-Roumain de Mathématiques Appliquées, August 25 - August 29, 2016, Iasi, Romania.
2. I. Badralexi, A. Halanay (2016), Periodic solutions in a DDE model, XIIIeme Colloque Franco-Roumain de Mathématiques Appliquées, August 26 - August 29, 2016, Iasi, Romania.
3. I. Badralexi, A. Halanay (2016), Periodic Solutions in a Model for CML, EMERGING TRENDS ÎN APPLIED MATHEMATICS AND MECHANICS 2016, May 30 - June 3, 2016, Perpignan, France.
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5. D. Candea, A. Halanay, R. Radulescu, R. Talmaci (2016), Estimation of Parameters in a Mathematical Model of Cell Competition in CML, EMERGING TRENDS ÎN APPLIED MATHEMATICS AND MECHANICS 2016, May 30 - June 3, 2016, Perpignan, France.

6. A. Halanay, C. Murea (2015), Compactness properties and existence of weak solutions for a fluid-structure interaction problem, IFIP TC7 Conference on System Modelling and Optimization, Sophia-Antipolis, France, 2015
7. A. Halanay, S. Balea, D. Candea, R. Radulescu (2014), L'analyse de la stabilité des équilibres des modèles d'évolution des cellules sanguines dans la leucémie, en considérant la compétition, le traitement et l'action du système immunitaire, 12<sup>e</sup> Colloque Franco-Roumaine de Mathématiques Appliquées, Lyon, France..
8. A. Halanay (2013), Hopf bifurcations in models for blood cells' evolution in leukemia, considering the immune response and treatment, Anniversary Conference Faculty of Sciences-150 years, 29 august-1 septembre, Bucuresti
9. A. Halanay (2013), Periodic solutions of delay differential equations modeling leukemia under treatment, Joint International Meeting of the American Mathematical Society and the Romanian Mathematical Society, Alba-Iulia, 27-30 iunie, 2013.
10. S. Balea, A. Halanay, D. Jordan, M. Neamtu, C. Safta (2013), Modelling the immune response in leukemia, Conference in honour of Michael Mackey's 70<sup>th</sup> birthday, 3-6 iunie 2013, Lyon, Franta.
11. R. Radulescu, D. Candea, A. Halanay (2013), A delayed mathematical model for leukemia with competition and treatment, Conference in honour of Michael Mackey's 70<sup>th</sup> birthday, 3-6 iunie 2013, Lyon, Franta.
12. A. Halanay, D. Candea, R. Radulescu (2013), Hopf bifurcation in a model of leukopoiesis including asymmetric division, Conference in honour of Michael Mackey's 70<sup>th</sup> birthday, 3-6 iunie 2013, Lyon, Franta.
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