

Asist.dr.ing. BACIU IOAN
Activitate științifică (perioada 2005-2010)

1. Articole publicate în reviste cotate ISI

Nr. crt.	An, luna	Autor(i)	Titlu articol	Revista ISI in care a fost publicat articolul	Nr. vol., pag., nr. pagini	ISSN	Site web revista	Factor de impact
1.	2009,3	CUNȚAN CORINA DANIELA, BACIU IOAN	TRANSLATION CIRCUIT OF THE CONTINUOUS VOLTAGE LEVEL FOR THE TUNDISH'S STOPPER CONTROL IN CONTINUOUS CASTING	METALURGIA INTERNATIONAL	Vol. nr.3 p.p. 31-36 6 pag.	ISSN 1582-2214	www.metalurgia.ro	0,333

2. Lucrari stiintifice publicate in volume cotate ISI Proceedings

Nr. crt.	An, luna	Autor(i)	Titlu lucrare	Volumul ISI Proceedings in care a fost publicata lucrarea	Pag., nr. pagini	ISBN	Site web conferinta
1.	2007,8	BACIU IOAN, PĂNOIU CAIUS, PĂNOIU MANUELA, CUNȚAN CORINA DANIELA	SIMULATION RESULTS ON THE CURRENTS HARMONICS MITIGATION ON THE RAILWAY STATION LINE FEED	PROCEEDINGS OF THE 7 TH WSEAS INTERNATIONAL CONFERENCE ON SIGNAL PROCESSING, COMPUTATIONAL GEOMETRY AND ARTIFICIAL VISION, 24-26 AUGUST, VOULIAGMENI, ATHENS, GREECE	p.p. 65-70 6 pag.	ISBN 978-960-8457-97-3	www.wseas.org
2.	2008,11	CUNȚAN CORINA DANIELA, BACIU IOAN	ADAPTION SYSTEM OF THE CONTINUOUS VOLTAGE LEVEL FOR CONTROLLING THE WATER FLOW ADJUSTMENT AT THE SECONDARY COOLING IN THE CONTINUOUS CASTING PROCESS	PROCEEDINGS OF THE 7TH WSEAS INTERNATIONAL CONFERENCE ON SYSTEM SCIENCE AND SIMULATION IN ENGINEERING (ICOSSE '08) 21-23 NOIEMBRIE, VENICE, ITALY.	p.p. 95-99 5 pag.	ISBN 978-960-474-027-7	www.wseas.org
3.	2009,7	CUNȚAN CORINA DANIELA, BACIU IOAN, PĂNOIU CAIUS, DINIS CORINA MARIA	ANALYSIS OF THE COMMUTATION REGIME FUNCTIONING OF THE IGBT TRANSISTOR	PROCEEDINGS OF THE 13TH WSEAS INTERNATIONAL CONFERENCE ON SYSTEM WSEAS CSCC MULTICONFERENCE RODOS ISLAND, GREECE, JULY 22-24, 2009	p.p. 242-247 6 pag.	ISBN 978-960-474-097-0	www.wseas.org
4.	2009,11	BACIU IOAN, CUNȚAN CORINA DANIELA, PĂNOIU CAIUS, POPA GABRIEL NICOLAE	USING PASSIVE FILTERS FOR REDUCING THE CURRENT HARMONICS INTRODUCED IN THE LINE VOLTAGE SUPPLY BY DC MOTORS FUNCTIONING	PROCEEDINGS OF THE 13TH WSEAS INTERNATIONAL CONFERENCE ON SYSTEM WSEAS CSCC MULTICONFERENCE RODOS ISLAND, GREECE, JULY 22-24, 2009	p.p. 260-264 5 pag.	ISBN 978-960-474-097-0	www.wseas.org/
5.	2010, 5	IOAN BACIU, CORINA DANIELA CUNȚAN, GABRIEL NICOLAE POPA, ANCA IORDAN,	ANALYSIS OF ELECTRIC POWER'S PARAMETERS IN SUPPLYING OF RAILWAY ELECTRIC TRACTION SYSTEMS	PROCEEDINGS OF THE 12TH WSEAS INTERNATIONAL CONFERENCE ON AUTOMATIC CONTROL, MODELLING & SIMULATION (ACMOS'10), CATANIA, ITALY, MAY 29-31, 2010	p.p 415-419 5 pag	ISBN: 978-954-92600-1-4 ISSN:179 0-5117	www.wseas.org

6.	2010, 5	ANCA IORDAN, MANUELA PĂNOIU, IOAN BACIU, CORINA DANIELA CUNȚAN	DESIGN OF AN INTELLIGENT SYSTEM FOR THE AUTOMATIC DEMONSTRATION OF GEOMETRY THEOREMS	PROCEEDINGS OF THE 9 TH WSEAS INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND INFORMATICS(TELE-INFO'10), CATANIA, ITALY, MAY 29-31, 2010	p.p 221-226, 6 pag	ISBN: 978-954-92600-2-1 ISSN:179 0-5117	www.wseas.org
7.	2010,7	IOAN BACIU, CORINA DANIELA CUNȚAN, SORIN DEACONU, ANCA IORDAN	STUDY OF THE D.C. MOTOR'S BEHAVIOR FROM THE COMPOENCY OF ELECTRIC TRACTION SYSTEMS IN SHORT-CIRCUIT REGIME	PROCEEDINGS OF THE 14 TH WSEAS INTERNATIONAL CONFERENCE ON SYSTEMS, LATEST TRENDS ON SYSTEMS VOLUME I, CORFU ISLAND, GREECE, JULY 22-24, 2010	p.p. 331-335, 5 pag	ISBN: 978-960-474-199-1 ISSN:179 2-4235	www.wseas.org

3. Articole/lucrări științifice publicate in reviste/volume indexate

Nr. crt.	An, luna	Autor(i)	Titlu articol /lucrare	Revista /volumul in care a fost publicat articolul /lucrarea	Nr. vol., pag., nr. pagini	ISSN	Site web revista	Baza de date in care este indexata revista	Link-ul la Baza de date in care este indexata revista
1.	2007,10	CAIUS PĂNOIU, IOAN BACIU, MANUELA PĂNOIU, CORINA DANIELA CUNȚAN	SIMULATION RESULTS ON THE CURRENTS HARMONICS MITIGATION ON THE RAILWAY STATION LINE FEED USING A DATA ACQUISITION SYSTEM	WSEAS TRANSACTIONS ON ELECTRONICS, ISSUE 10, VOL. 4	Issue 10, Vol. 4, p.p. 227-236, 10 pag.	ISSN: 1109-9445	http://www.worldses.org/journals/electronics/electronics-october2007.htm	SCOPUS	http://www.scopus.com/sourceinfo.url?sourceid=144807&origin=sbrows
2.	2008,12	CUNȚAN CORINA DANIELA, IOAN BACIU	WATER FLOWS' MANAGEMENT SYSTEM AT THE SECONDARY COOLING IN THE CONTINUOUS STEEL CASTING PROCESS	WSEAS TRANSACTIONS ON SYSTEMS AND CONTROL ISSUE 12, VOL. 3	Issue 12, Vol. 3, p.p. 1035-1045	ISSN: 1991-8763	http://www.worldses.org/journals/control/control-2008.htm	SCOPUS	http://www.scopus.com/sourceinfo.url?sourceid=17700155820&origin=sbrowse
3.	2009,4	CORINA CUNȚAN, IOAN BACIU, CAIUS PANOIU, CORINA DINIS	ANALYSIS OF A DOUBLE-WAVE ACCURACY RECTIFIER'S OPERATION WITH OPERATIONAL AMPLIFIERS	ANNALS OF FACULTY OF ENGINEERING HUNEDOARA- JOURNAL OF ENGINEERING, TOME VII, FASCICULE 3	pp. 371-373, 3 pag	ISSN 1584 – 2673	www.annals.fih.upt.ro	COPERNICUS	http://journals.indexcopernicus.com/karta.php?action=masterlist&id=3544
4.	2010	ANGELA IAGĂR, CORINA MARIA DINIȘ, GABRIEL NICOLAE POPA, IOAN BACIU	SIMULATION OF SOME FAULTS IN THREE-PHASE ELECTRIC SYSTEMS USING THE PSCAD-EMTDC PROGRAM	ANNALS OF FACULTY OF ENGINEERING HUNEDOARA- JOURNAL OF ENGINEERING, TOME VIII, FASCICULE 3	pp. 48-54, 7 pag	ISSN 1584 – 2673	www.annals.fih.upt.ro	COPERNICUS	http://journals.indexcopernicus.com/karta.php?action=masterlist&id=3544
5.	2010,8	CUNȚAN CORINA DANIELA, IOAN	STUDY OF DEFORMING REGIME INTRODUCED	WSEAS TRANSACTIONS ON SYSTEMS, ISSUE 8,	ISSUE 8, VOL. 9, p.p.	ISSN: 1109-2777	www.worldses.org/journals/systems/systems-2010.htm	COMPENDEX	www.engineeringvillage.com

		BACIU, GABRIEL NICOLAE POPA, ANCA IORDAN	IN POWER SUPPLY GRID BY THE ELECTRIC LOCOMOTIVES EQUIPPED WITH DC MOTORS	VOL. 9,	854-864, 11 pag.				
6.	2010,9	IOAN BACIU, DRAGOȘ PĂSCULESCU CORINA DANIELA CUNȚAN, ANCA IORDAN	DC MOTOR BEHAVIOR ANALYSIS ON BLOCKING THE WHEELS ON A RAILWAY TRACTION VEHICLE,	WSEAS TRANSACTIONS ON CIRCUITS AND SYSTEMS, ISSUE 9, VOL. 9,	ISSUE9, VOL. 9 p.p. 587-596, 10 pag.	ISSN: 1109-2734	www.worldscientific.org/journals/circuits/circuits-2010.htm	COMPENDEX	www.engineeringvillage.com
7.	2010,9	ANCA IORDAN, MANUELA PĂNOIU, IOAN BACIU, CORINA DANIELA CUNȚAN	MODELLING USING UML DIAGRAMS OF AN INTELLIGENT SYSTEM FOR THE AUTOMATIC DEMONSTRATION OF GEOMETRY THEOREMS	WSEAS TRANSACTIONS ON COMPUTERS, ISSUE 9, VOL. 9,	ISSUE9, VOL. 9, p.p. 949-959, 11 pag.	ISSN: 1109-2750	www.worldscientific.org/journals/computers/computers-2010.htm	COMPENDEX	www.engineeringvillage.com

4. Articole publicate in reviste fara cotatie ISI / neindexate

Nr. crt.	An, luna	Autor(i)	Titlu articol	Revista in care a fost publicat articolul	Nr. vol., pag., nr. pagini	ISSN	Site web revista	Clasificare CNCISIS
1.	2005,9	CUNȚAN CORINA, BACIU IOAN	FUZZY ALGORITHM USED TO WATER DEBIT CONTROL TO THE SECONDARY COOLING IN CONTINUOUS CASTING PROCESS	ANALELE UNIVERSITĂȚII "EFTIMIE MURGU" REȘIȚA	pp.99- 104, 6 pag.	ISSN- 1453- 7394	www.uem.ro/biblioteca/reviste_uemr/a_fir.html	B
2.	2007,5	CORINA CUNTAN, IOAN BACIU	ESTABLISHING OF THE EFFECTS PRODUCED BY THE PASSIVE FILTERS OF RC TYPE ON THE SINUSOIDAL VOLTAGE SOURCE	ANNALS OF THE UNIVERSITY OF PETROSANI ELECTRICAL ENGINEERING	Vol.9pp. 83-86 4 pag.	ISSN 1454- 8518	www.upet.ro/annals/	Fără cotație
3.	2007,5	IOAN BACIU, CORINA CUNTAN	THE ANALYSIS OF THE LC-TYPE PASSIVE FILTERS' INFLUENCE UPON THE POWER SUPPLY NETWORK OF A RESISTIVE CONSUMER USING THE LABVIEW PROGRAM	ANNALS OF THE UNIVERSITY OF PETROSANI ELECTRICAL ENGINEERING	Vol.9 pp. 192- 195 4 pag.	ISSN 1454- 8518	www.upet.ro/annals/	Fără cotație

5. Lucrari publicate la conferinte internationale

Nr. crt.	An, luna	Autor(i)	Titlu lucrare	Conferinta internationala (nume, loc, perioada de desfasurare, vol.)	Pag., nr. pagini	ISBN	Site web conferinta
1.	2007,5	CORINA CUNȚAN, IOAN BACIU	FUZZY ALGORITHM FOR STEEL LEVEL'S CONTROL IN THE MOULD AT CONTINUOUS CASTING	INTERNATIONAL CONFERENCE ON ACCOMPLISHMENTS IN ELECTRICAL, MECHANICAL AND INFORMATIC ENGINEERING, 25-26 MAI 2007, BANJALUKA, PROCEEDINGS CONFERINTA	p.p. 385-390 6 pag.	ISBN 978-99938-39-15-6	www.demi.rs.ba
2.	2008,11	CUNȚAN CORINA DANIELA, BACIU IOAN	ADAPTION CIRCUIT OF A FUZZY CONTROLLER INPUT VOLTAGE FOR CONTROLLING THE ADJUSTMENT SYSTEM OF THE WITHDRAWAL SPEED OF THE STEEL FROM THE MOULD IN CONTINUOUS CASTING	THE KNOWLEDGE BASED ORGANISATION THE 14TH INTERNATIONAL CONFERENCE TECHNICAL SCIENCES TECHNICAL SYSTEMS AND TECHNOLOGIES. COMMUNICATIONS, ELECTRONICS AND ELECTROTECHNICS. 27-29 NOIEMBRIE, SIBIU, ROMÂNIA, 2008, PROCEEDINGS CONFERINTA	pp. 237-244 8 pag.	ISSN 1843-6722	www.armyacademy.ro
3.	2009,4	IOAN BACIU, CORINA DANIELA CUNȚAN, ANGELA IAGĂR	DETERMINATION OF THE CURRENT HARMONICS INTRODUCED IN THE GRID BY THE D.C.- SUPPLIED CONSUMERS	10 th INTERNATIONAL SYMPOSIUM "INTERDISCIPLINARY REGIONAL RESEARCH" ISIRR HUNEDOARA, ROMÂNIA, 2009, PROCEEDINGS CONFERINTA	S5-65 4 pag.	-	www.fih.upt.ro
4.	2009,5	CUNȚAN CORINA DANIELA, BACIU IOAN, DINIS CORINA MARIA	COMPARATIVE STUDY OF THE RESULTS OBTAINED WITH THE LABVIEW AND SIMULINK PROGRAMS REGARDING THE INFLUENCE OF LC-TYPE PASSIVE FILTERS UPON THE ELECTRIC POWER SUPPLY GRID	INTERNATIONAL CONFERENCE ON ACCOMPLISHMENTS IN ELECTRICAL, MECHANICAL AND INFORMATIC ENGINEERING, 29-29 MAI 2009 BANJALUKA, PROCEEDINGS CONFERINTA	p.p. 293-298 6 pag.	ISBN 978-99938-39-23-1	www.demi.rs.ba
5.	2010,11	CORINA DANIELA CUNȚAN, IOAN BACIU, MANUELA PĂNOIU	DIGITAL CONTROL MODES OF THE SEMI-CONTROLLED THREE-PHASED RECTIFIERS	INTERNATIONAL SYMPOSIUM ON ADVANCED ENGINEERING&APPLIED MANAGEMENT 40 th ANNIVERSARY IN HIGHER EDUCATION 4-5 NOIEMBRIE 2010, HUNEDOARA	p.p. 43-49, 7 pag.	ISBN 978-973-0-09340-7	www.fih.upt.ro
6.	2010,11	IOAN BACIU, CORINA DANIELA CUNȚAN, SORIN DEACONU, ANGELA IAGĂR	THE STUDY OF QUALITY INDICATORS OF ELECTRICAL ENERGY IN ELECTRICAL RAILWAY TRANSPORT	INTERNATIONAL SYMPOSIUM ON ADVANCED ENGINEERING&APPLIED MANAGEMENT 40 th ANNIVERSARY IN HIGHER EDUCATION 4-5 NOIEMBRIE 2010, HUNEDOARA	p.p. 177-182, 6 pag	ISBN 978-973-0-09340-7	www.fih.upt.ro

6. Lucrari publicate la conferinte nationale, simpozioane, etc.

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7. Carti publicate in edituri din strainatate

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8. Carti publicate in edituri din tara

Nr. crt.	Autor(i)	Titlu	Tipul cartii (monografie, tratat, manual pt studenti, etc)	Editura, anul apariției	Nr. pag.	ISBN	Site web editura	Clasificare CNCIS a editurii
1.	IOAN BACIU, CORINA DANIELA CUNȚAN	CIRCUITE INTEGRATE ANALOGICE	APLICAȚII	EDITURA POLITEHNICA TIMIȘOARA 2010	91	ISBN 978- 606-554- 083-5	www.editura-politehnica.ro	186

9. Citari in literatura de specialitate

Nr. crt.	Anul citarii	Luna citarii	Autor(i)	Titlul lucrării citate	Revista / volumul in care a fost publicata lucrarea, inclusiv an	ISSN / ISBN	Revista / volumul in care a fost citata lucrarea (nume, volum, pag.)	Autori / titlu lucrare care citeaza	ISSN / ISBN
1	2009	7	PĂNOIU C., BACIU I., PĂNOIU M., CUNȚAN C.	SIMULATION RESULTS ON THE CURRENTS HARMONICS MITIGATION ON THE RAILWAY STATION LINE FEED USING A DATA ACQUISITION SYSTEM	WSEAS TRANSACTIONS ON ELECTRONICS, 4 (10), PP. 227-236, 2007	ISSN 1109-9445	PROCEEDINGS OF THE 13TH WSEAS INTERNATIONAL CONFERENCE ON SYSTEMS - HELD AS PART OF THE 13TH WSEAS CSCC MULTICONFERENCE, PP. 271-276	POPA, G. N., DEACONU, S., DINIȘ, C.M., IAGĂR, A.	ISBN: 978-960474097-0
2	2009	1	PĂNOIU C., BACIU I., PĂNOIU M., CUNȚAN C.	SIMULATION RESULTS ON THE CURRENTS HARMONICS MITIGATION ON THE RAILWAY STATION LINE FEED USING A DATA ACQUISITION SYSTEM	WSEAS TRANSACTIONS ON ELECTRONICS, 4 (10), PP. 227-236, 2007	ISSN 1109-9445	WSEAS TRANSACTIONS ON CIRCUITS AND SYSTEMS 8 (1), PP. 115-124	IAGĂR, A., POPA, G.N., DINIȘ, C.M.	ISSN 1109-2734
3	2008	7	PANOIU C., BACIU I., PANOIU M., CUNTAN C.	SIMULATION RESULTS ON THE CURRENTS HARMONICS MITIGATION ON THE RAILWAY STATION LINE FEED USING A DATA ACQUISITION SYSTEM	WSEAS TRANSACTIONS ON ELECTRONICS, 4 (10), PP. 227-236, 2007	ISSN 1109-9445	WSEAS TRANSACTIONS ON SYSTEMS 7 (7), PP. 689-698	POPESCU, M., BITOLEANU, A., DOBRICEANU, M.	ISSN 1109-2777

10. Brevete de inventie

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11. Membrii colective de redacție reviste cotate ISI și reviste indexate

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12. Membrii colective de redacție alte reviste

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13. Membrii comitete organizare conferinte naționale și internaționale

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14. Premii / distincții internaționale

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15. Conducere de doctorat

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16. Proiecte de cercetare științifică internațională

Nr. crt.	Denumire proiect, nr. contract, tip proiect, director, parteneri (cu precizarea coordonatorului)	Perioada de derulare	Echipa	Modul de finanțare	Rezultate și modalități de valorificare a cercetării		
					Valoare realizată		Nr. lucrări publicate, cărți și alte produse ale cercetării
					An universitar	RON	
1	STUDY ABOUT HARMONIC POLLUTION MITIGATION IN THE ELECTRIC POWER SUPPLY NETWORK CAUSED BY ELECTRICAL LOCOMOTIVE, 63/2007, PĂNOIU MANUELA	2007	PĂNOIU CAIUS, PĂNOIU MANUELA, BACIU IOAN, POPA GABRIEL, MUSCALAGIU IONEL, ABRUDEAN CRISTIAN, OSACI MIHAELA, IAGĂR ANGELA, SERBAN SORINA	B.EN.A.	2007	3 200	2 lucrări
2	CERCETĂRI PRIVIND POLUAREA ELECTROMAGNETICĂ PRODUSĂ DE CUPTOARELE DE INDUCȚIE CU CREUZET, DE FRECVENȚĂ INDUSTRIALĂ, ÎN REȚEAUA ELECTRICĂ DE ALIMENTARE; NR. CONTRACT : 55/27.07.2008 PROIECT FINANTAT DE CATRE B.EN.A. – COSMOTE; DIRECTOR: IAGĂR ANGELA; PARTENER: S.C. CILINDRUL S.A. CĂLAN	01.05. 2008 -30.11. 2008	IAGĂR A., ȘORA I., DĂNCESCU I. HEPUȚ T., RUSU N., PĂNOIU C., PĂNOIU M., POPA G., MIHUȚ G., MIHUȚ I., ABRUDEAN C., BACIU I., GHIORGHIONI E., POP S.	B.EN.A – COSMOTE	2008	2100	- 2 lucrări publicate la conferințe internaționale cotate ISI Proceedings; - 2 lucrări publicate în reviste de specialitate din străinătate indexate în BDI

17. Proiecte de cercetare științifică națională


Nr. crt.	Denumire proiect, nr. contract, tip proiect, director, parteneri (cu precizarea coordonatorului)	Perioada de derulare	Echipa	Modul de finanțare	Rezultate și modalități de valorificare a cercetării		
					Valoare realizată		Nr. lucrări publicate, cărți și alte produse ale cercetării
					An universitar	RON	
1	RELEU COMPLEX PENTRU PROTECȚIA LINIEI DE CONTACT ÎMPOTRIVA REGIMURILOR ANORMALE DE FUNCȚIONARE, COD CNCIS 623 CONTRACT 27688, DIRECTOR PĂNOIU CAIUS	2005-2006	PĂNOIU CAIUS, PĂNOIU MANUELA, RUSU NICOLAE, DEACONU SORIN, ANGHEL STELA, BACIU IOAN, MIKLOS CRISTINA	Buget	2006 2005	12500 6500	2 Lucrări

18. Contracte cu terți

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Data: 1.03.2010

Semnătura:
Asist.ing. BACIU IOAN

A handwritten signature in blue ink, appearing to read "Baciu", with a long horizontal stroke extending to the right.