



## Curriculum vitae Europass

### Personal information

Name / First name **Codrean Marius**  
Address  
Phone  
Fax  
E-mail mcodrean@uoradea.ro  
Nationality Romanian  
Date of birth  
Sex Male

### Targeted job / Occupational field

**University of Oradea  
Education**

#### Professional experience

**Faculty of Electrical Engineering and Information Technology**

Period 2021 – present  
Title or position held University Lecturer  
Main activities and responsibilities Teaching and pedagogical activities, Electrical and electronic measurements I, Electrical and electronic measurements II;  
Name and address of employer University of Oradea, Faculty of Electrical Engineering and Information Technology  
1-5 University Street, 410087 Oradea, Romania  
Type of activity or sector of activity Teaching and pedagogical activities

#### Professional experience

**Faculty of Electrical Engineering and Information Technology**

Period 2018 – 2021  
Title or position held University Assistant  
Main activities and responsibilities Teaching and pedagogical activities, Electromagnetic field theory; Circuit theory I, II; Electrical and electronic measurements I, II; Microwave technologies; Microwave technique  
Name and address of employer University of Oradea, Faculty of Electrical Engineering and Information Technology  
1-5 University Street, 410087 Oradea, Romania  
Type of activity or sector of activity Teaching and pedagogical activities

### Targeted job / Occupational field

**University of Oradea  
Research**

#### Professional experience

**Faculty of Energy Engineering and Industrial Management**

Period 2015 – 2018 (February)  
Title or position held Engineer  
Main activities and responsibilities Research  
Name and address of employer University of Oradea, Faculty of Energetic Engineering and Industrial Management,  
no 1-5 Universitatii street, 410087 Oradea, Romania  
Type of activity or sector of activity Research  
Period 2002 – 2015  
Title or position held Researcher  
Main activities and responsibilities Research  
Name and address of employer University of Oradea, Faculty of Energetic Engineering and Industrial Management,  
no 1-5 Universitatii street, 410087 Oradea, Romania

Type of activity or sector of activity | Research  
 Period | 1998 – 2002  
 Title or position held | Engineer  
 Main activities and responsibilities | Research  
 Name and address of employer | University of Oradea, Faculty of Energetic Engineering and Industrial Management,  
 no 1-5 Universitatii street, 410087 Oradea, Romania

Type of activity or sector of activity | Research

**Education and Training**

Period | 2013 – 2016  
 Qualification / degree obtained | Doctor  
 Main studied subjects / professional competencies acquired | Electrical Engineering  
 Name and type of educational institution / training provider | University of Oradea, Faculty of Electrical Engineering and Information Technology  
 Level in national or international classification | Doctor of Electrical Engineering  
 Period | 1998 – 1999  
 Qualification / degree obtained | Engineer  
 Main studied subjects / professional competencies acquired | In-depth studies “Quality and reliability”  
 Name and type of educational institution / training provider | University of Oradea, Faculty of Energy  
 Level in national or international classification | Engineer  
 Period | 1993 – 1998  
 Qualification / degree obtained | Engineer  
 Main studied subjects / professional competencies acquired | University of Oradea, Faculty of Energy, Electroenergetics major  
 Name and type of educational institution / training provider | University of Oradea, Faculty of Energy  
 Level in national or international classification | Engineer  
 Period | 1989 – 1993  
 Qualification / degree obtained | Car mechanic  
 Main studied subjects / professional competencies acquired | Car mechanics  
 Name and type of educational institution / training provider | Sinteza highschool  
 Level in national or international classification | Car mechanic

**Personal skills and competencies**

Mother tongue | Romanian  
 Known foreign languages | **English**

Self-assessment  
*European level (\*)*

<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>
Listening	Reading	Participation to conversation	Oral speech	Written expression
B1 Independent user	A1 Elementary user	A1 Elementary user	B1 Independent user	A1 Elementary user

**Language**  
**Language**

(\*) Level of the Common European Framework of Reference for Languages

Social skills and abilities	Team spirit. Good communication skills
Organizational skills and competences	Organizational spirit
Technical skills and competences	A good knowledge of quality control processes
Computer skills and competences	A good command of Microsoft Office tools
Artistic skills and competences	Music, dance
Other skills and abilities	Beekeeper
Driving license	B Category
<b>More information</b>	Member of the Apiinvest beekeeping association Member of the Association of Energy Engineers
<b>Publications</b>	Specialty book published in a recognized publishing. Description of the CIP of the National Library of Romania Fundamental elements regarding the numerical modeling of the inductive heating process: numerical results / <b>Marius Codrean</b> , Teodor Leuca. - Oradea: Editura Universitatii din Oradea, 2017 Contains bibliography ISBN 978-606-10-1885-7
<b>Published works</b>	<b>Publishing activity materialized by: 22 works</b>
Articles in extenso in journals listed WOS Thomson Reuters in volumes proceedings indexed WOS Thomson Reuters, and patents indexed WOS - Derwent	<b>A[1].</b> Lehel Szabolcs Csokmai, Cornelia Mihaela Novac, OvidiuConstantin Novac, Gyongyi Bujdoso, Mihai Oproescu and <b>Marius Codrean</b> , Comparative study about data speed acquisition and recording in a MySQL database of LabVIEW, MATLAB and Python programming languages <b>13 th INTERNATIONAL CONFERENCE on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE ECAI 2021, July 1– July 3, 2021</b> <b>A[2]</b> <b>CODREAN Marius</b> <sup>1</sup> , SLOVAC Francisc <sup>1</sup> , GORDAN Cornelia Emilia <sup>2</sup> , HATHAZI Francisc Ioan <sup>2</sup> , CODREAN Mihaela <sup>3</sup> Correlation of catalytic temperature and liquid organics using the catalytic microwave pyrolysis method for low density polyethylene (LDPE) <sup>1,2</sup> University of Oradea, Romania, Faculty of Electrical Engineering and Information Technology, 1 Universitaiistreet, 410087 Oradea, Romania <sup>3</sup> National Geothermal Research CenterUniversitaiistreet, 410087 Oradea, Romania <b>JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, Vol. 14, no. 1, May 2021</b> <b>A[3]</b> SLOVAC Francisc <sup>1</sup> , <b>CODREAN Marius</b> <sup>1</sup> , GORDAN Mircea Ioan <sup>2</sup> , HATHAZI Francisc Ioan <sup>2</sup> SEBEŞAN Radu <sup>2</sup> CODREAN Mihaela <sup>3</sup> Correlation of catalytic temperature and bio-oil using the catalytic microwave pyrolysis method for cellulosic biomass <sup>1,2</sup> University of Oradea, Romania, Faculty of Electrical Engineering and Information Technology, 1 Universitaiistreet, 410087 Oradea, Romania <sup>3</sup> National Geothermal Research CenterUniversitaiistreet, 410087 Oradea, Romania <b>JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, Vol. 14, no. 1, May 2021</b> <b>A[4.]</b> Gordan, Mircea ; Purcaru, Dorina Mioara ; <b>Codrean, Marius</b> ;Novac, Mihaela Cornelia ; Novac, Ovidiu Constantin; Codrean, Mihaela - Aspects Regarding the Numerical Simulation of the Inductive Heating Process, Using the FLUX2D and FEMM Software ConferenceConference: 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Pitesti, ROMANIA Date: JUN 27-29, <b>2019</b> Sponsor(s):IEEE; IEEE Romania Sect; IEEE Ind Applicat Soc; Univ Pitesti, Fac Elect, Commun & Comp; Guvernul Romaniei, Ministerul Educatiei Cercetarii Stiintifice PublisherIEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA Categories / Classification Research Areas:Computer Science; Engineering Web of Science Categories:Computer Science, Artificial Intelligence; Computer Science, Theory & Methods; Engineering, Electrical & Electronic Accession Number: ISBN:978-1-7281-1624-2 ISSN: 2378-7147 <u>Document Type:Proceedings Paper</u> <b>WOS:000569985400150</b> <a href="https://apps- webofknowledge-com.am.e-information.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=C4JC9gAUXpUhAv3MxNy&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no">https://apps- webofknowledge-com.am.e-information.ro/full_record.do?product=WOS&amp;search_mode=GeneralSearch&amp;qid=1&amp;SID=C4JC9gAUXpUhAv3MxNy&amp;page=1&amp;doc=1&amp;cacheurlFromRightClick=no</a>

**A[5.]** Novae, Mihaela Cornelia; **Codrean, Marius**; Novac, Ovidiu Constantin; Codrean, Mihaela; Oproescu, Mihai; Bujdoso, Gyongyi.  
The Numerical Modeling of the Inductive Heating Process at Different Frequencies, Using the FLUX 2D Software  
PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI-2019)  
Book Series: International Conference on Electronics Computers and Artificial Intelligence  
Published: 2019 Location: Pitesti, ROMANIA  
Date: JUN 27-29, 2019 IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA  
Research Areas: Computer Science; Engineering Web of Science Categories: Computer Science, Artificial Intelligence; Computer Science, Theory & Methods; Engineering, Electrical & Electronic ISBN:978-1-7281-1624-2 ISSN: 2378-7147  
Document Type: Proceedings Paper

**WOS:000569985400037**

[https://apps-whoofknowledge-com.am.e-information.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=2&cacheurlFromRightClick=no](https://apps-whoofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=2&cacheurlFromRightClick=no)

**A[6.]** Covaciu, Mihaela; Hathazi, Francisc-Ioan; Arion, Mircea-Nicolae; Soproni, Vasile-Darie; Molnar, Carmen Otilia; **Codrean, Marius**  
Decontamination, Drying and Sterilization Assisted by the High Frequency Electromagnetic Field For The Processing of Construction Waste Used on Driveways  
2019 15TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES) Pages: 89-92 Published: 2019  
Conference: 15th International Conference on Engineering of Modern Electric Systems (EMES) Location: Oradea, ROMANIA Date: JUN 13-14, 2019 IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA Research Areas: Energy & Fuels; Engineering Web of Science Categories: Energy & Fuels; Engineering, Electrical & Electronic ISBN:978-1-7281-0773-8  
Document Type: Proceedings Paper

**WOS:000503434500023**

[https://apps-whoofknowledge-com.am.e-information.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=3&cacheurlFromRightClick=no](https://apps-whoofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=3&cacheurlFromRightClick=no)

**A[7.]** Soproni, Vasile Darie; Molnar, Carmen Otilia; Hathazi, Francisc Ioan; Arion, Mircea Nicolae; **Codrean, Marius**; Moldovan, Liviu.  
Experimental Research on Microwave Field and Hot Air Drying of Barley Seeds  
2019 15TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES) Pages: 113-116 Published: 2019  
Conference: 15th International Conference on Engineering of Modern Electric Systems (EMES) Location: Oradea, ROMANIA Date: JUN 13-14, 2019 IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA Research Areas: Energy & Fuels; Engineering Web of Science Categories: Energy & Fuels; Engineering, Electrical & Electronic ISBN:978-1-7281-0773-8  
Document Type: Proceedings Paper

**WOS:000503434500029**

[https://apps-whoofknowledge-com.am.e-information.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=4&cacheurlFromRightClick=no](https://apps-whoofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=4&cacheurlFromRightClick=no)

**A[8.]** Leuca, Teodor; Coman, Simina; Trip, Nistor Daniel; Bandici, Livia; **Codrean, Marius**; Perte, Marcel.  
Neural Network Modeling of a Drying Process in Radio Frequency Field  
2019 15TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES) [IEEE](#) Pages: 193-196 Published: 2019  
Conference: 15th International Conference on Engineering of Modern Electric Systems (EMES) Location: Oradea, ROMANIA Date: JUN 13-14, 2019 IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA Research Areas: Energy & Fuels; Engineering Web of Science Categories: Energy & Fuels; Engineering, Electrical & Electronic ISBN:978-1-7281-0773-8  
Document Type: Proceedings Paper

**WOS:000503434500049**

[https://apps-whoofknowledge-com.am.e-information.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=5&cacheurlFromRightClick=no](https://apps-whoofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=5&cacheurlFromRightClick=no)

**A[9.]** Codrean, Mihaela; **Codrean, Marius**; Novac, Mihaela Cornelia ; Novac, Ovidiu-Constantin ; Gordan, Cornelia ; Farcas, Valentin Ioan  
Analyzing the Process of Tempering a Semifinished Product Using the FLUX2D and FEMM Software  
2019 15TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES) : [IEEE](#) Pages: 229-232 Published: **2019**  
Conference: 15th International Conference on Engineering of Modern Electric Systems (EMES) Location: Oradea, ROMANIA Date: JUN 13-14, 2019 IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA Research Areas:Energy & Fuels; Engineering Web of Science Categories:Energy & Fuels; Engineering, Electrical & Electronic ISBN:978-1-7281-0773-8  
Document Type:Proceedings Paper  
**WOS:000503434500058**  
[https://apps-whoofknowledge-com.am.e-information.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=6&cacheurlFromRightClick=no](https://apps-whoofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=6&cacheurlFromRightClick=no)

**A[10.]** **Codrean, Marius**; Novac, Mihaela Cornelia ; Novac, Ovidiu Constantin; Codrean, Mihaela.  
Considerations on the Numerical Modeling of the Induction Heating Process Using the Elta and Flux 2D Software  
PROCEEDINGS OF THE 2018 10TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI) [IEEE](#) Book Series: International Conference on Electronics Computers and Artificial Intelligence  
Published: **2018** Conference: 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Iasi, ROMANIA Date: JUN 28-30, 2018 IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA Research Areas:Computer Science Web of Science Categories:Computer Science, Artificial Intelligence ISBN:978-1-5386-4901-5 ISSN: 2378-7147  
Document Type:Proceedings Paper  
**WOS:000467734100149**  
[https://apps-whoofknowledge-com.am.e-information.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=7&cacheurlFromRightClick=no](https://apps-whoofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=7&cacheurlFromRightClick=no)

**A[11.]** Novac, Mihaela Cornelia;**Codrean, Marius** ; Novac, Ovidiu Constantin;Gordan, Cornelia ; Codrean, Mihaela.  
Current Aspects and Trends in the Numerical Modeling of Induction Heating Equipments  
PROCEEDINGS OF THE ON 10TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI) [IEEE](#) Book Series: International Conference on Electronics Computers and Artificial Intelligence  
Published: **2018** Conference: 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Iasi, ROMANIA Date: JUN 28-30, 2018 Research Areas:Computer ScienceWeb of Science Categories:Computer Science, Artificial Intelligence ISBN:978-1-5386-4901-5 ISSN: 2378-7147  
Document Type:Proceedings Paper  
**WOS:000467734100116**  
[https://apps-whoofknowledge-com.am.e-information.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=8&cacheurlFromRightClick=no](https://apps-whoofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=8&cacheurlFromRightClick=no)

**A[12.]**Maricaru, Mihai ; **Codrean, Marius** ; Leuca, Teodor ; Bandici, Livia; Vasilescu, George Marian.  
THERMAL TREATMENT OF FERROMAGNETIC BARS  
View Web of Science ResearcherID and ORCIDREVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE Volume: 62 Issue: 3 Pages: 225-228 Published: JUL-SEP **2017** EDITURA ACAD ROMANE, CALEA 13 SEPTEMBRIE NR 13, SECTOR 5, BUCURESTI 050711, ROMANIA Journal Information Impact Factor: Journal Citation Reports Research Areas:Engineering Web of Science Categories:Engineering, Electrical & Electronic ISSN: 0035-4066 IDS Number: FL8NR  
Document Type:Article  
**WOS:000414507000001**  
[https://apps-whoofknowledge-com.am.e-information.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=9&cacheurlFromRightClick=no](https://apps-whoofknowledge-com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpUAv3MxNy&page=1&doc=9&cacheurlFromRightClick=no)

**A[13.]** Leuca, Teodor ; Maricaru, Mihai ; Hantila, Ioan Florea ; **Codrean Marius**; Bandici, Livia ; Burca, Adrian  
Heating of Nonlinear Ferromagnetic Bars  
2017 14TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES) Book Group Author(s):[IEEE](#)Pages: 109-112 Published: **2017**  
Conference: 14th International Conference on Engineering of Modern Electric Systems (EMES) Location: ORADEA, ROMANIA Date: JUN 01-02, 2017 IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA Research Areas:Energy & Fuels; Engineering Web of Science Categories:Energy & Fuels; Engineering, Electrical & Electronic ISBN:978-1-5090-6073-3  
Document Type:Proceedings Paper

**WOS:000427085200026**

[https://apps- webofknowledge-com.am.e-nformation.ro/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpU hAv3MxNy&page=1&doc=10&cacheurlFromRightClick=no](https://apps- webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=C4JC9gAUXpU hAv3MxNy&page=1&doc=10&cacheurlFromRightClick=no)

**A[14.]** Mircea – Nicolae Arion, Francisc – Ioan Hathazi, Otilia Molnar Carmen, Darie Soproni Vasile, **Marius Codrean** – About the extraction in microwave field of the essential oils and beta-carotene from carrots, 2017 14TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES), Pages: 75-78, Published: 2017, JUN 01-02, **2017**, ORADEA, ROMANIA, ISBN:978-1-5090-6073-3

Document Type:Proceedings Paper

**WOS:000427085200018**

[https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww. webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=D3pIzJXkl ijAHcJps2s&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000427085200018](https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww. webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=D3pIzJXkl ijAHcJps2s&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000427085200018)

Journal articles and volumes of scientific events indexed in other international databases (BDI) \*

**B[1]** Ţelea, D.Vicaş Coman, S., Bandici, L, **Codrean, M.**, Leuca, T.

Aspectsconcerningtheprocess of inductionheatingusing design of experiments(Article)  
Journal of Electricaland Electronics Engineering OpenAccessVolume 12, Issue 1, May **2019**, Pages 61-66

Document Type: JOURNAL Paper

<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85070328545&origin=resultslist&sort=plf-f&src=s&st1=Codrean&st2=Marius&nlo=1&nlr=20&nls=count-f&sid=236217f69396c571be60273176765898&sot=anl&sdt=aut&sl=36&s=AU-ID%28%22Codrean%2c+Marius%22+55936040200%29&relpos=6&citeCnt=0&searchTerm=>

**B[2]** **Codrean, Marius.**, Coman, Simina., Popa, Monica., Codrean, Mihaela.

Optimizingtheprocess of inductive heating in volume usingnumericalsimulations(Article)  
Journal of Electricaland Electronics EngineeringOpenAccessVolume 10, Issue 2, October **2017**, Pages 19-24

Document Type: JOURNAL Paper

<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85038407378&origin=resultslist&sort=plf-f&src=s&st1=Codrean&st2=Marius&nlo=1&nlr=20&nls=count-f&sid=236217f69396c571be60273176765898&sot=anl&sdt=aut&sl=36&s=AU-ID%28%22Codrean%2c+Marius%22+55936040200%29&relpos=9&citeCnt=0&searchTerm=>

**B[3]** **Codrean, Marius.**, Nagy, Ştefan., Bandici, Livia., Gordan, Mircea.

Modelingandsimulatingtheprocess of superficial heattreatment, byinduction(Article)  
Journal of Electricaland Electronics EngineeringOpenAccessVolume 9, Issue 2, October **2016**, Pages 15-18

Document Type: JOURNAL Paper

<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84999026123&origin=resultslist&sort=plf-f&src=s&st1=Codrean&st2=Marius&nlo=1&nlr=20&nls=count-f&sid=236217f69396c571be60273176765898&sot=anl&sdt=aut&sl=36&s=AU-ID%28%22Codrean%2c+Marius%22+55936040200%29&relpos=13&citeCnt=0&searchTerm=>

=

**B[4] Codrean, M.,** Coman, S., Popa, M., Gordan, M, Giurgiu, N.C.<sup>a</sup>  
Numerical analysis of the induction heating in volume of a half-finished product,  
neglecting the end effect (Article)  
Journal of Electrical and Electronics Engineering Open Access Volume 9, Issue 2, October **2016**,  
Pages 11-14  
Document Type: JOURNAL Paper

<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84998775116&origin=resultslist&sort=plf-f&src=s&st1=Codrean&st2=Marius&nlo=1&nlr=20&nls=count-f&sid=236217f69396c571be60273176765898&sot=anl&sdt=aut&sl=36&s=AU-ID%28%22Codrean%2c+Marius%22+55936040200%29&relpos=14&citeCnt=2&searchTerm=>

**B[5] Codrean. M,** Coman Simina, Popa, M., Leuca, T, Giurgiu, N.C  
Modelling the process of induction heating in volume of a bar strip using flux 2D software,  
coupled with minitab experimental design software (Article)  
Journal of Electrical and Electronics Engineering Open Access Volume 9, Issue 1, May **2016**,  
Pages 5-8  
Document Type: JOURNAL Paper

<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84975131404&origin=resultslist&sort=plf-f&src=s&st1=Codrean&st2=Marius&nlo=1&nlr=20&nls=count-f&sid=236217f69396c571be60273176765898&sot=anl&sdt=aut&sl=36&s=AU-ID%28%22Codrean%2c+Marius%22+55936040200%29&relpos=15&citeCnt=4&searchTerm=>

**B[6] Leuca, T.,** Novac, M., Stanciu, B., Burcă, A., **Codrean, M**  
Using minitab-box benken software to optimize the induction heating process (Article)  
Journal of Electrical and Electronics Engineering Open Access Volume 7, Issue 1, May **2014**,  
Pages 73-76  
Document Type: JOURNAL Paper

<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84903195354&origin=resultslist&sort=plf-f&src=s&st1=Codrean&st2=Marius&nlo=1&nlr=20&nls=count-f&sid=236217f69396c571be60273176765898&sot=anl&sdt=aut&sl=36&s=AU-ID%28%22Codrean%2c+Marius%22+55936040200%29&relpos=16&citeCnt=1&searchTerm=>

**B[7] Leuca, T.,** Novac, M., Stanciu, B., Burcă, A., **Codrean, M.**<sup>a</sup>  
Using some coupled numerical models in problems of designing an inductive  
electrothermal equipment (Article)  
Journal of Electrical and Electronics Engineering Open Access Volume 7, Issue 1, May **2014**,  
Pages 77-80  
Document Type: JOURNAL Paper

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