LIST OF SCIENTIFIC WORKS DIPPONG THOMAS

a) LIST OF THE 10 MOST RELEVANT PAPERS

1. **Dippong Thomas**, Mereu Raluca Anca, Effect of La$^{3+}$ on thermal, structural and morphological properties of Zn–Co ferrite spinel-based pigments. Ceramics International. 50:7 (2024) 10314-10324. (Q1)


3. **Dippong Thomas**, Levei Erika Andrea, Lengauer L. Christian, Daniel Andrada, Toloman Dana, Cadar Oana, Investigation of thermal, structural, morphological and photocatalytic properties of Cu$_x$Co$_{1-x}$Fe$_2$O$_4$ (0≤x≤1) nanoparticles embedded in SiO$_2$ matrix. Materials Characterization, 163 (2020) 110268. (Q1)

4. **Dippong Thomas**, Lazar Diana Mihaela, Deac Iosif Grigore, Palade Petru, Ioan Petean, Borodi Gheorghe, Cadar Oana, The effect of cation distribution and heat treatment temperature on the structural, surface, morphological and magnetic properties of Mn$_x$Co$_{1-x}$Fe$_2$O$_4$@SiO$_2$ nanocomposites. Journal of Alloys and Compounds 895 (2022) 162715. (Q1)

5. **Dippong Thomas**, Cadar Oana, Deac Iosif Grigore, Barbu Tudoran Lucian, Levei Erika Andrea. Influence of Ni$^{2+}$ substitution by Co$^{2+}$ on the morphology and magnetic properties of single domain Co$_x$Ni$_{0.9}$Zn$_{0.1}$Fe$_2$O$_4$ nanoparticles. Journal of Alloys and Compounds 952 (2023) 170074. (Q1)


7. **Dippong Thomas**, Hoaghia Maria-Alexandra, Mihali Cristina, Cical Elena, Calugaru Mihai, Human health risk assessment of some bottled waters from Romania. Environmental Pollution 267 (2020) 115409. (Q1)

8. **Dippong Thomas**, Senila Marin, Cadar Oana, Resz Maria Alexandra, Assessment of the heavy metal pollution degree and potential health risk implications in lakes and fish from northern Romania. Journal of Environmental Chemical Engineering, 12:2, 112217 (2024) 112217. (Q1)


b) PHD THESIS

Thesis title: Cobalt based nanomaterials dispersed and undispersed in silica matrix.
Coordinator Prof dr chim Stefanescu Mircea


c) PUBLISHED IN PUBLISHING HOUSES (16)

c1) Books and chapters published in international publishing houses (2 books)


c2) Books published in national publishing houses (14 books)


d) **SCIENTIFIC PAPERS PUBLISHED IN ISI-THOMSON PEER-REVIEWED JOURNALS**

d1) ISI-Thomson articles (94 articles)

**Red zone articles (Q1) - 55**

1. **Dippong Thomas**, Senila Marin, Cadar Oana, Resz Maria Alexandra, Assessment of the heavy metal pollution degree and potential health risk implications in lakes and fish from northern Romania. Journal of Environmental Chemical Engineering, 12:2, 112217 (2024) 112217.

2. **Dippong Thomas**, Cadar Oana, Deac Iosif Grigore, Petean Ioan, Levei Erika Andrea, Simedru Dorina. Influence of La$^{3+}$ substitution on the structure, morphology and magnetic properties of Co$_{x}$La$_{1-x}$Fe$_{2}$-xO$_{4}$@SiO$_{2}$ nanocomposites. Journal of Alloys and Compounds 976 (2024) 172998.


4. **Dippong Thomas**, Petean Ioan, Deac Iosif Grigore, Levei Erika Andrea, Cadar Oana. Effect of Ca$^{2+}$ doping and annealing temperature on the structure, morphology and magnetic behavior of Ca$_{x}$Co$_{1-x}$Fe$_{2}$O$_{4}$/SiO$_{2}$ nanocomposites. Results in Physics. 56 (2024) 107306.


6. Pop Flavia, Semeniuc Cristina Anamaria, Dan Monica, **Dippong Thomas (correspondent)**, Impact of different processing methods and thermal behaviour on quality characteristics of soybean and sesame oils. Journal of Thermal Analysis and Calorimetry. 149 (2024) 1403–1417.


8. **Dippong Thomas**, Mihali Cristina, Marian Monica, Rosca Mare Oana, Resz Maria Alexandra, Correlations between chemical, hydrological and biotic factors in rivers from the protected area of Tisa Superioara, Romania. Process Safety and Environmental Protection 176 (2023) 40-55.

domain Co_{0.9-α}Ni_{0.1-α}Zn_{0.1}Fe_{2}O_{4} nanoparticles. Journal of Alloys and Compounds 913 (2023), 165129.

10. **Dippong Thomas**, Levei Erika Andrea, Cadar Oana, Correlation between structure, morphology and magnetic properties in Zn_{x}Co_{0.8-α}Ni_{0.2}Fe_{2}O_{4} SiO_{2} (0.1 ÷ 0.7) nanocomposites. Journal of Alloys and Compounds 938 (2023) 168503.


13. **Dippong Thomas**, Levei Erika Andrea, Deac Iosif Grigore, Lazar Mihaela Diana, Cadar Oana. Influence of SiO_{2} Embedding on the Structure, Morphology, Thermal, and Magnetic Properties of Co_{0.4}Zn_{0.4}Ni_{0.2}Fe_{2}O_{4} Particles. Nanomaterials 13(3) (2023) 527.


29. Dippong Thomas, Levei Erika Andrea, Cristian Leostean, Cadar Oana, Impact of annealing temperature and ferrite content embedded in SiO₂ matrix on the structure, morphology and magnetic characteristics of (Co₀.₄Mn₀.₆Fe₂O₄)δ(SiO₂)_{100-δ} nanocomposites. Journal of Alloys and Compounds 868 (2021), 159203.


33. Dippong Thomas, Mihali Cristina, Vogan Zorica, Daniel Andrada, Dumuta Anca, Thermal behavior of different cocoa powder varieties and their physicochemical, phytochemical and microbiological characteristics. Journal of Thermal Analysis and Calorimetry, 143 (6), (2021), 4217-4228.


37. **Dippong Thomas**, Levei Erika Andrea, Cadar Oana, Deac Iosif Grigore, Lazar Mihaela, Borodi Gheorghe, Petean Ioan, Effect of amorphous SiO$_2$ matrix on structural and magnetic properties of Cu$_{0.6}$Co$_{0.4}$Fe$_2$O$_4$/SiO$_2$ nanocomposites. Journal of Alloys and Compounds 849 (2020) 156695.


39. **Dippong Thomas**, Levei Erika Andrea, Deac Iosif Grigore, Lazar Mihaela, Borodi Gheorghe, Levei Erika Andrea, Influence of ferrite to silica ratio and thermal treatment on porosity, surface, microstructure and magnetic properties of Zn$_{0.5}$Ni$_{0.5}$Fe$_2$O$_4$/SiO$_2$ nanocomposites. Journal of Alloys and Compounds 498 (2020) 166168.


42. Roșca Mare Oana, **Thomas Dippong (correspondent)**, Marian Monica, Mihali Cristina, Mihalescu Lucia, Hoaghia Maria-Alexandra, Jelea Marian, Impact of anthropogenic activities on water quality parameters of glacial lakes from Rodnei mountains, Romania, Environmental Research, 182 (2020) 109136.


44. **Dippong Thomas**, Levei Erika Andrea, Deac Iosif Grigore, Goga Firuta, Cadar Oana, Investigation of structural and magnetic properties of Ni$_x$Zn$_{1-x}$Fe$_2$O$_4$/SiO$_2$ (0<x>1), Journal of Analytical and Applied Pyrolysis, 144 (2019), 104713.

45. **Dippong Thomas**, Cadar Oana, Levei Erika Andrea, Deac Iosif Grigore, Borodi Gheorghe, Barbu-Tudoran Lucian, Influence of polyol structure and molecular weight on the shape and properties of Ni$_{0.5}$Co$_{0.5}$Fe$_2$O$_4$ nanoparticles obtained by sol-gel synthesis, Ceramics International 45 (2019) 7458–7467.


Yellow zone articles (Q2) - 16

56. Dippong Thomas, Resz Maria-Alexandra, Heavy metal contamination assessment and potential human health risk of water quality of lakes situated in the protected area of Tisa, Romania, Heliyon, 10:7, (2024) e28860.

57. Dippong Thomas, Mihali Cristina, Avram Alexandra, Heavy metal contamination assessment and potential human health risk of water quality of lakes situated in the protected area of Tisa, Romania, Water, 16:4 (2024) 539.

58. Dippong Thomas, Mihali Cristina, Avram Alexandra, Water Physico-Chemical Indicators and Metal Assessment of Teceu Lake and the Adjacent Groundwater Located in a Natura 2000 Protected Area, NW of Romania, Water, 15:22 (2023) 3996.
59. Mihali Cristina, **Dippong Thomas (correspondent)**, Water quality assessment of Remeți watercourse, Maramureș, Romania, located in a NATURA 2000 protected area subjected to anthropic pressure. Journal of Contaminant Hydrology. 257 (2023) 104216.

60. Vosgan Zorica, **Dippong Thomas**, Hoaghi Maria-Alexandra, Mihali Cristina, Mihalescu Lucia, Pedological characterization of soils in Gutai mountains near a mining area, Romania. Environmental Earth Sciences, 80 (2021) 164.

61. **Dippong Thomas**, Cadar Oana, Levei Erika Andrea, Deac Iosif-Grigore, Microstructure, porosity and magnetic properties of Zn$_{0.5}$Co$_{0.5}$Fe$_2$O$_4$/SiO$_2$ nanocomposites prepared by sol-gel method using different polyols. Journal of Magnetism and Magnetic Materials 498 (2020) 166168.

62. **Dippong Thomas**, Levei Erika Andrea, Goga Firuta, Petean Ioan, Avram Alexandra, Cadar Oana, The impact of polyol structure on the formation of Zn$_{0.6}$Co$_{0.4}$Fe$_2$O$_4$ spinel-based pigments, Journal of Sol-Gel Science and Technology 92 (2019), 736-744.


Gray zone articles (Q3/Q4) - 23


77. Laposi Alexandru, Marian Monica, Rosca Mare Oana, Mihali Cristina, Avram Alexandra Dippong Thomas (correspondent), The system of aquatic habitats from Teplita, a vital element for conservation of the biodiversity of the upper corridor of Tisa river, Carpathian Journal of Earth and Environmental Sciences August 18 (2) (2023) 475 – 488.

78. Dippong Thomas, Mihali Cristina, Rosca Mare Oana, Marian Monica, Payer Maria Magdalena, Țibarnac Marcel, Bud Sebastian, Coman George, Kovacs Eniko, Hoaghia Maria-Alexandra, Physico-chemical characterization of water wells from Remeti, Maramures, Studia Universitatis Babes-Bolyai Chemia, 66:2 (2021) 197-212.


80. Dippong Thomas, Mihali Cristina, Ardelean Gheorghe, Seasonal variation of fizico-chemical parameters in the drinking water supply network of Satu Mare city, NW Romania, Environmental Engineering and Management Journal, 18:3 (2019) 1-10


88. Mihali Cristina, **Dippong Thomas**, Butean Claudia, Goga Firuta, Heavy metals and as content in soil and in plants in the Baia Mare mining and metallurgical area (NW of Roumania) Revue Roumaine de Chimie, 62(4-5), (2017) 373-379.

89. **Dippong Thomas**, Mihali Cristina, Goga Firuta, Ardelean Gheorghe, Mathematical modeling of the variation in water quality along the network of water supply of Satu Mare municipality, Studia Universitatis Babes-Bolyai Chemia, 61:3 (2016) 251-262.

90. Berinde Zoita, **Dippong Thomas**, Butean Claudia, QSPR Study on Transition Temperature of Tetraphenylethene - Derived columnar Liquid Cristals, Studia Universitatis Babes-Bolyai Chemia, 61 (2016) 51-62

91. Cical Elena, Mihali Cristina, Mercea Mircea, Dumuța Anca, **Dippong Thomas (corespondent)**, Considerations of the relative efficacy of aluminium sulphate versus polyaluminium chloride for improving drinking water quality, Studia Universitatis Babes-Bolyai Chemia, 61:2 (2016) 225-238.


**d2) Editoriale in reviste ISI Q1 (4)**

2. **Dippong Thomas**, Innovative Nanomaterial Properties and Applications in Chemistry, Physics, Medicine, or Environment, Nanomaterials, 14:2 (2024) 145.


e) **BDI/B+ AND ERIHPLUS ARTICLES (35)**


4. Marian Monica, **Dippong Thomas (correspondent)**, Rosca Mare Oana, Tibîrnac Marcel, Payer Sebastian Katona, Mihali Cristina, Vosgan Zorica, Drule Daiana, Avram Alexandra, Physico-chemical and ecological characterization of the waters in the wetlands of the Sarasău area located in the ROSCI and ROSPA protected area. Bulletin Series D: Mining, Mineral Processing, Non-Ferrous Metallurgy, Geology and Environmental Engineering, 34:2 (2020) 31-41


18. Leitner Ioan, Matuz Bela, **Dippong Thomas (correspondent)**, Price analysis of the components of water supply systems, Scientific Bulletin Series D: Mining, Mineral


27. Mihali Cristina, Gabriela Oprea, **Thomas Dippong**, Claudia Butean, Elena Cical, Selection of the optimal composition of pvc matrix membrane for electrodes sensible to anionic


29. Mihali Cristina, Oprea Gabriela, Michnea Angela, **Dippong Thomas (correspondent)**, Butean Claudia, Mihalescu Lucia, Dumuța Anca, Mare Oana, *Assessment of lead content in some vegetables grown near tailing deposits in Baia Mare area*, Scientific Bulletin Series D: Mining, Mineral Processing, Non-Ferrous Metallurgy, Geology and Environmental Engineering, Volume XXVIII No. 2 (2014) 57-63 ISSN 1582-0548. Indexed in ProQuest, EBSCO, Google Scholar.


32. Stegerean Dănuțiu, **Dippong Thomas (correspondent)**, Solomonescu Daniela, Arieșan Oana, Pauliuc Ion, Evaluation of physico-chemical parameters of municipal water network depending on season and length of network, ROMAQUA, 2014, 96 (6), 29-35. Indexed RePEc, Eaudoc, Google Scholar.


35. Ștefănescu Oana, Ștefănescu Mircea, Stoia Marcela, **Dippong Thomas**, *Study on the Obtaining of Fe₂O₃/SiO₂ Nanocomposites trough a Modified Sol-Gel Method*, Annals of West University of Timișoara, 16 (4) (2007) 79-85, ISSN: 1221-9513. Indexed în EBSCO, ProQuest.
f) SCIENTIFIC PAPERS PUBLISHED IN INTERNATIONAL CONFERENCE VOLUMES (22)


7. Stegerean Dănuțiu, **Dippong Thomas (correspondent)**, Dan Laura, Collection and recovery of sludge treatment plants obtained from Satu Mare Country, Danube Eastern Europe Regional Water Forum International Conference, Sludge Management 2016, Proceeding, ARA Publishing, București, 2016, 158-166


10. **Dippong Thomas**, Deac Raluca Aglaia, Pauliuc Ivan, Levei Erika Andrea, Study of acid-base species formation of iron and cobalt metallic succinate type obtained by electrometric
tirations, XIX\textsuperscript{th}, Symposium on Analytical and Environmental Problems, Szeged, Hungary, 2013, 60-63.

11. Dippong Thomas, Berinde Zoită, Pauliuc Ivan, Evolution of physiochemical parameters from Satu Mare wastewater treatment plant in the last two decades, XIX\textsuperscript{th} Symposium on Analytical and Environmental Problems, Szeged, Hungary, 2013, 139-143.


13. Dippong Thomas, Berinde Zoită, Pauliuc Ivan, Improving the efficiency of Satu Mare wastewater treatment plant by nutrient reduction from the biological stage, XIX\textsuperscript{th}, Symposium on Analytical and Environmental Problems, Szeged, Hungary, 2013, 135-138.


15. Dippong Thomas, Berinde Zoită, Pauliuc Ivan, Monitoring the quality of drinking water in the small villages from Satu Mare country, Proceeding of XVII\textsuperscript{th}, Symposium on Analytical and Environmental Problems, Szeged, Hungary, 2012, 18-23.

16. Dippong Thomas, Pauliuc Ivan, Păcală Adina, Synthesis and characterization of Co(II) carboxylates resulted in Co(NO\textsubscript{3})\textsubscript{2} – 1,3-propanediol redox reaction, Proceeding of XVI\textsuperscript{th}, Symposium on Analytical and Environmental Problems, Szeged, Hungary, 2011, 76-80.

17. Dippong Thomas, Stoia Marcela, Barvinschi Paul, Stefănescu Mircea, Characterization of Co(II) carboxylates resulted in the Co(NO\textsubscript{3})\textsubscript{2}·C\textsubscript{3}H\textsubscript{8}O\textsubscript{2} reaction by acidic-basic electrometric titrimetry, Proceeding of XV\textsuperscript{th}, Symposium on Analytical and Environmental Problems, Szeged, Hungary, 2008, 229-232.

18. Dippong Thomas, Stoia Marcela, Stefănescu Mircea, Study on the Obtaining of Co\textsubscript{x}O\textsubscript{y} starting from Co(NO\textsubscript{3})\textsubscript{2}·6H\textsubscript{2}O and ethylene glycol, Proceeding of XIV\textsuperscript{th}, Symposium on Analytical and Environmental Problems, Szeged, Hungary, 2007, 134-138.

19. Stoia Marcela, Dippong Thomas, Stefănescu Oana, Gavris Georgeta, Stefănescu Mircea, Synthesis of Cobalt oxides by Redox Reaction between Co(NO\textsubscript{3})\textsubscript{2} and diols, Annals of Oradea University - Fascicle of Management and Technological Engineering, 2009, 8 (13)

