

XXIII

**«ИССЛЕДОВАНИЯ И РАЗРАБОТКИ В ОБЛАСТИ
МАШИНОСТРОЕНИЯ, ЭНЕРГЕТИКИ И УПРАВЛЕНИЯ»**

1.	27.04.2023 .	12.00–17.00	1-114
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3. Low cyclic fatigue of HG70-steel mining dump truck frame under low-temperature: chaboche model and finite element analysis (Inner Mongolia University of Science and Technology, Baotou, China).
Authors: Qu ZiYang, Guo Xiaofeng, Yuan Bo
Research supervisor: Dr., Prof. Guo Xiaofeng; Dr., Lecturer Yuan Bo
4. Bearing remaining useful life prediction based on NAP-HSMM (Inner Mongolia University of Science and Technology, Baotou, China)
Author: Shuai Wang
Scientific Supervisor: Dr., Prof. Chao Zhang
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8. Recognition and analysis of microstructure parameters of porous anodic films using imagej (¹Sukhoi State Technical University of Gomel, Belarus, ²Belarusian State University of Informatics and Radioelectronics, Minsk).

: *Marwan F.S.H. AL-Kamali*¹, *Kovaleva O.A.*², *Lushpa N.V.*²,
*Vrublevsky I.A.*²

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15. Efforts to prevent trafficking in highly hazardous organic pesticides (¹Ministry of Education, Sana'a, Yemen; ²Faculty of Agriculture, Al-Hodeida University, Yemen; ³Department of Chemistry, Faculty of Applied Science, Taiz University, Yemen).

Authors: Amin M.M.N. Albraihi¹, Azi A.A. Fakih², Niyazi A.S. AL-Areqi³

16. Important analytical considerations for polycyclic aromatic hydrocarbons (PAHS) (¹Ministry of Education, Sana'a, Yemen; ²Department of Chemistry, Faculty of Applied Science, Taiz University, Yemen; ³Sukhoi State Technical University of Gomel, Belarus).

Authors: Amin M.M.N. Albraihi¹, Ali Abduh Mutair², Marwan F.S. AL-Kamali³, Niyazi A.S. AL-Areqi²

17. Important technologies to reduce industrial wastes (¹Ministry of Education, Sana'a, Yemen; ²Department of Marine Chemistry, Faculty of Marine and Environmental Sciences, University of Al-Hodeidah, Yemen; ³Department of Chemistry, Faculty of Applied Science, Taiz University, Yemen).

Authors: Amin M.M.N. Albraihi¹, Kaid M.A. AL-Sharabi², Niyazi A.S. AL-Areqi³

18. Sampling screening and analysis of pop-bfrs in articles, products and recycling streams (¹Ministry of Education, Sana'a, Yemen; ²Department of Marine Chemistry, Faculty of Marine and Environmental Sciences, University of Al-Hodeidah, Yemen; ³Sukhoi State Technical University of Gomel, Belarus; ⁴Department of Chemistry, Faculty of Applied Science, Taiz University, Yemen).

Authors: Amin M.M.N. Albraihi¹, Kaid M.A. AL-Sharabi², Marwan F.S. AL-Kamali³, Niyazi A.S. AL-Areqi⁴

19. Background and general challenges for the analysis of perfluorooctane sulfonic acid (PFOS), its salts and related materials (¹Ministry of Education, Sana'a, Yemen; ²Department of Chemistry, Faculty of Applied Science, Taiz University, Yemen).

Authors: Amin M.M.N. Albraihi¹, Abdulla Abdulkareem AL-Showrai², Niyazi A.S. AL-Areqi²

20. Sampling, screening and analysis of polychlorinated naphthalenes (PCNS) in articles and products (¹Ministry of Education, Sana'a, Yemen; ²Faculty of Pharmacy, University of Al-Hodeidah, Yemen; ³Department of Chemistry, Faculty of Applied Science, Taiz University, Yemen).

Authors: Amin M.M.N. Albraihi¹, K. AL-Mamari², Niyazi A.S. AL-Areqi³

21. Absorbing harmful energy: the role of water-containing simulators in protecting against electromagnetic radiation (¹Scientific Association for Research and Innovations, Taiz, Yemen; ²Gomel State Medical University, Belarus).

Authors: Gamal A.A. Blalah^{1,2}, Gaafar A.Q. Saeed^{1,2}, Safa'a A.S.B. AL-Kubaty Scientific Supervisor: Yahya T.A. AL-Ademi¹

22. Protecting against harmful radiations: exploring electromagnetic radiation shields based on magnetic materials (¹Scientific Association for Research and Innovations, Taiz, Yemen; ²Gomel State Medical University, Belarus).

Authors: Kamal F.S. H. AL-Kamali¹, Bassam S.H. Musleh^{1,2}, Esam F.S.H. AL-Kamali¹ Scientific Supervisor: Yahya T.A. AL-Ademi¹

23. The impact of smart devices and digital biomarkers in the future of medicine (¹Scientific Association for Research and Innovations, Taiz, Yemen; ²Sukhoi State Technical University of Gomel, Belarus; ³School of Electro-Mechanical Engineering, Xidian University, China).

Authors: Murad S.A. Saif^{1,2}, Salah A.Q. Saeed^{1,3}, Shawqi A.S. AL-Shameri^{1,2} Scientific Supervisor: Marwan F.S.H. AL-Kamali²

24. Temperature dependent impedance analysis of DyCrO₃ and 30 % Co-doped DyCrO₃ nanoparticles (Education College, physics department, Mahrah University, Yemen; Scientific Association for Research and Innovations, Taiz, Yemen).

Author: Aref A.A. Qahtan

25. Printed medications, new technologies, and a medical revolution in the horizon (¹Scientific Association for Research and Innovations, Taiz, Yemen; ²Biology Department, Faculty of Education, Taiz University, Yemen; ³Zoology Department, Faculty of Science, Mansoura University, Egypt; ⁴University of Science and Technology, Taiz, Yemen).

Authors: Talal M. Obaid^{1,2,3}, Sulaiman A.M. Abdulrasol^{1,4}, Nabeel A.Kh. AL-Kamali¹ Scientific Supervisor: Marwan F.S.H. AL-Kamali

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27. Micro- and nanoparticles of reduced metals localized in silicate powder matrices used to obtain thin films (¹Physics department, College of Science and Humanities, Shaqra University, Riyadh-Saudi Arabia; ²Scientific Association for Research and Innovations, Taiz, Yemen).

Author: Aml AL-Mutery^{1,2} Scientific Supervisor: Marwan F.S.H. AL-Kamali

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29. Physicochemical principles for creating modified coatings with reduced metal nanoparticles (1Scientific Association for Research and Innovations, Taiz, Yemen; 2Physics department, Dr. B.A. Marathwada University, Aurangabad, India; 3Physics department, College of Science and Humanities, Shaqra University, Riyadh-Saudi Arabia).

*Authors: Nabil M. A. AL-Sayeh¹, Abdulmalik .E.Th. Mohammed^{1,2}, Aml AL-Mutery^{1,3}
 Scientific Supervisor: Dr., Prof. Mahuob H. AL-Buhairi*

30. Morphology of the process of high-temperature copper oxide reduction on the surface of aluminum oxide (1Physics department, Faculty of Education, Taiz University; 2Scientific Association for Research and Innovations, Taiz, Yemen).

*Authors: Ebrahim M.A. AL-Ahdal^{1,2}, Kamal F.S. AL-Kamali²
 Scientific Supervisor: Marwan F.S.H. AL-Kamali*

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11. Numerical Simulation and Experimental Investigation of Methane-Air Non-premixed Strongly Swirling Combustion in a Novel Asymmetric Semi-Confined Combustor (Inner Mongolia University of Science and Technology, Baotou, China).

Authors: DU Hongwei, Zhao Dongbo, Shi Xinghao, Feng Jiangtao, Ji Yunfei, Li Tongtong, Zhang Yifei, Duan Xingshuo
Scientific Supervisor: Dr., Prof. Li Ke

12. Research on Multi-time Scale Modeling of Electro-thermal Coupling IES (Inner Mongolia University of Science and Technology, Baotou, China).

Author: Shi Xizhi
Scientific Supervisor: Dr., Prof. Yang Peihong

13. Sodium ion battery (Ajeenkya DY Patil University, Maharashtra, India).

Author: Ryan Nadar.

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1. Intelligent Decision Making Method for Burden Distribution Matrix of Operating Parameters in Blast Furnace Iron-making Process (Inner Mongolia University of Science and Technology, Baotou, China).

Author: Wang Libin

Research supervisor: PhD, Prof. Zhang Yong

2. Design of microwave diagnosis and treatment integrated real-time detection system (Inner Mongolia University of Science and Technology, Baotou, China).

Authors: XinYuan Liu, YongXing Du, ZhengKai Liu, Min Yu

Research supervisor: Prof. DuYongxing

3. A review of artificial intelligence based research results in agriculture and livestock industry (Inner Mongolia University of Science and Technology, Baotou, China).

Authors: Lu Sijie, DuYongxing, ZhouliYong, Kou Yan

Research supervisor: Prof. Li Baoshan

4. Studies on vortex sar imaging algorithms (Inner Mongolia University of Science and Technology, Baotou, China).

Authors: Xiao Tang, YongXing Du, ZongJun Tong

Research supervisor: Prof. DuYongxing

5. Design of miniaturized external dual-band microstrip circular patch antenna for microwave hyperthermia (Inner Mongolia University of Science and Technology, Baotou, China).

Authors: Xinyu Zhang, Yongxing Du, Ling Qin, Hongjie Chen, Honglin Chen
Research supervisor: Prof. DuYongxing

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23. Telegram- (. . . , . . .).
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25. Telegram- (. . . , . . .).
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27. *Author: Abdulmalik E.Th. Mohammed^{1,2}*
Scientific Supervisor: Sunil Sugandhrao Patil

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32. Study (NMR) spectrum for acrylic using continuous wave spectrum CWS 12-50 (¹Physics department, Dr. B.A. Marathwada University, Aurangabad, India; ²Scientific Association for Research and Innovations, Taiz, Yemen).

Author: Abdulmalik E.Th. Mohammed^{1,2}
Scientific Supervisor: Sunil Sugandhrao Patil

33. Validation of molecular identification and structure using infrared (IR) spectroscopy and nuclear magnetic resonance mass spectrometry (MS) (¹Physics department, Dr. B.A. Marathwada University, Aurangabad, India; ²Scientific Association for Research and Innovations, Taiz, Yemen).

Author: Abdulmalik E.Th. Mohammed^{1,2}
Scientific Supervisor: Sunil Sugandhrao Patil

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5. Study on financial performance of selcted banks through camels model in India (Marwadi university, Faculty of management studies, Rajkot, Gujarat, India).
Authors: Astha Thakur, Yashvi Goswami.
6. The urgent issues of logistics management in production engineering (, ,).
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35. The information and its importance in making the society conscious and guiding public opinion (¹Postgraduate student at the Faculty of Administrative Sciences, Taiz University, Yemen; ²Scientific Association for Research and Innovations, Taiz, Yemen).

Authors: Fekry A. N. Hashem^{1,2}

36. The effective impact of chinese universities in developing the capabilities of foreign students [mini review] (Scientific Association for Research and Innovations, Taiz, Yemen; Graduate student at the Faculty of Economics, Xidian University, China).

Authors: Oqba A.A. Ahmed, Hadeel N.A. Abduljalil

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39. The influence of e-commerce on accounting information systems inside the Republic of Yemen's business and business sectors (Scientific Association for Research and Innovations, Taiz, Yemen).

Authors: Mohammed A.M.Y. AL-Baadani, Mohammed A. AL-Junaid, Nassar A.Th. AL-Areqi

40. A study of the relationship between self-concept and adjustment among indian and yemeni students of under-graduate students (¹BAM University, Aurangabad, Maharashtra, India; ²Community activist&Head of the For Your Sake Development Foundation, Yemen; ³Advisor to the Yemeni Student Council, India).

Author: Ibrahim M.Q.Y. AL-Askari^{1,2,3}

Scientific Supervisor: Prof., Head of Dept. of Psychology Aparna Ashtaputre

41. The wounded of the yemeni war are among the causes of the economic decline (Arts science and Commerce College BADNAPUR District JALNA (M.S), India).

Author: Wafa M.Sh.A. AL-Mamary

Scientific Supervisor: Associate Prof., Head of Dept. of Sociology R.A. Hajare

42. The disastrous situation in Yemen and its impact on the recession of the yemeni economy (Scientific Association for Research and Innovations, Taiz, Yemen).

Authors: Malek A.T.Gh. Ali, Nawaf F.S. AL-Kamali¹, Layla A.M. Ali

Scientific Supervisor: Marwan F.S.H. AL-Kamali

43. Obstacles to employing education economics and planning in yemeni universities in light of comprehensive quality management (¹Postgraduate student at the Faculty of Administrative Sciences, Taiz University, Yemen; ²Scientific Association for Research and Innovations, Taiz, Yemen).

Authors: Mohammed H.M. AL-Shamiri^{1,2}

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 2. An improved super-resolution generative adversarial network (Inner Mongolia University of Science and Technology, Baotou, China).
Authors: Long Jie, Shao Lijun, Liu Gouqing
Research supervisor: PhD, Prof. Ren Yan
 3. An Algorithm of Dynamic Heterogeneous Networks Link Prediction (Inner Mongolia University of Science and Technology, Baotou, China).
Authors: Zhao Yuhong, Wu Hao, Ni Xiangming
Research supervisor: Dr., Prof., Tutor for graduate Zhao Yuhong
 4. An infrared dim object detection algorithm based on feature refinement perception (School of Information Engineering, Inner Mongolia University of Science and Technology, Baotou, China).
Authors: Sun Shangqi, Hao Chen
Research supervisor: PhD, Prof., Master tutor Zhang Baohua
 5. Machine learning approach for carbon capture and utilization – a preliminary investigation (Faculty of engineering and technology, Marwadi University, Rajkot, Gujarat, India).
Authors: Ritesh Ramesh Palka, Surabhi Palkar, Rajendrasinh Jadeja
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33. Revolutionary technological advancements: a journey through time and progress (1Scientific Association for Research and Innovations, Taiz, Yemen; 2Gomel State Medical University, Belarus).

Authors: Sohaib F.M.L. AL-Manbari^{1,2}
Scientific Supervisor: Marwan F.S.H. AL-Kamali

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35. Revolutionary technological advancements: a journey through time and progress (1Scientific Association for Research and Innovations, Taiz, Yemen; 2Gomel State Medical University, Belarus).

Author: Sohaib F.M.L. AL-Manbari^{1,2}
Scientific Supervisor: Marwan F.S.H. AL-Kamali

36. Obstacles to using available technology in english teaching in Yemeni schools (Scientific Association for Research and Innovations, Taiz, Yemen).

Authors: Thekra F.S. AL-Kamali, Israa A.A. Abdullah
Scientific Supervisor: Marwan F.S.H. AL-Kamali

37. Education technology in Yemen, including the problems that teachers experience in relation to modern yemeni realities (Scientific Association for Research and Innovations, Taiz, Yemen).

Author: Eshraq M.S. AL-Sabri
Scientific Supervisor: Adel AL-Warafi

38. The involvement of contemporary operating rooms outfitted with cutting-edge equipment and procedures in assisting doctors and surgeons in carrying out their tasks (1Physics department, College of Science and Humanities, Shaqra University, Riyadh-Saudi Arabia; 2Scientific Association for Research and Innovations, Taiz, Yemen).

Authors: Aml AL-Mutery^{1,2}, Murad S.A. Saif², Ayman S. AL-Sharabi²
Scientific Supervisor: Marwan F.S.H. AL-Kamali

39. Automatic system for registering company licenses (1Sukhoi State Technical University of Gomel, Belarus; 2Scientific Association for Research and Innovations, Taiz, Yemen).

Author: Ahmed F.M. AL-Wahishi^{1,2}
Scientific Supervisor: Komr kov V.V.

40. The techniques applied in the technique for guaranteeing the truthfulness and dependability of news and economic reports (Scientific Association for Research and Innovations, Taiz, Yemen).

Author: Farouq M. AL-Kamali

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42. Flipped classroom as a technique for a triangle effectiveness of educational technology in Taiz university (Department of Educational Technology, Taiz University, Yemen).

Author: Eftikhar Alsharabi
Scientific Supervisor: Associate Dr. Gamal A.A.A. Alawi

43. The effects of virtual classroom & virtual labs and internet on learning as a triangle interaction (Department of Educational Technology, Taiz University, Yemen).

Author: Myasah H. A.Y. AL-Humaidy

Scientific Supervisor: Associate Dr. Gamal A.A.A. Alawi

44. Designing an educational program supported by simulation to develop procedural knowledge in physics for third year secondary students – in the city of Taiz (Department of Educational Technology, Taiz University, Yemen).

Author: Mohammed A.A. Ali

Scientific Supervisor: Associate Dr. Gamal A.A.A. Alawi

45. Designing an educational software supported by simulation to develop conceptual knowledge in physics for third year secondary school students – in Taiz city (Department of Educational Technology, Taiz University, Yemen).

Author: Mohammed A.A. Ali

Scientific Supervisor: Associate Dr. Gamal A.A.A. Alawi

46. Will technology effectively fill security gaps in facility protection? (Head of the BRICS International for Training and Consulting Center, Sana'a, Yemen).

Authors: Khaled M. AL-Ghailani

Scientific Supervisor: Marwan F.S.H. AL-Kamali

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