ACKNOWLEDGMENT

Many scientists and colleagues from abroad and Iran (listed below) voluntarily helped us very much in review and evaluation process of manuscripts being accepted for publication in **2024** issues of the International Journal of Radiation Research (IJRR) (Volume 22, numbers 1-4) and those not suitable for publication. Indeed their careful and critically reading the manuscripts and their valuable comments and suggestions greatly improved the quality of papers. On behalf of the executive and editorial board of the IJRR, I sincerely thank all of them for their efforts and support throughout the past years and we hope to have their continued support and help in the future.

Prof. Hossein Mozdarani Editor-in-Chief, IJRR

List of Reviewers of IJRR issues 2024

Abbood Abbas Abbood, Ph.D.Medical Physics/radiation oncology
Baghdad Governorate, **IRAQ**

Abd El Moneim, Nadia, M.D. Radiation Sciences Department, Oncology Unit, Medical Research Institute, Alexandria University, EGYPT

Abdulrafiu Raji, Ph.D. University of South Africa, Pretoria, **SOUTH AFRICA**

Adeline, George, Ph.D.
Department of Nuclear Medicine,
Mont-de-Marsan, **FRANCE**

Alfatlawi Shatha, Ph.D.
Department of Nuclear physics
University of Kufa, IRAQ

Agarwal, Lalit M, Ph.D. Institute of Medical Sciences, Banaras Hindu University, Varanasi, Uttar Pradesh, INDIA Alagar, Ananda G.B., Ph.D.
Department of Radiation Oncology,
Krishna Institute of Medical Sciences,
Secunderabad, INDIA

Alshabawy Hassan A., Ph.D University of Kufa, Kufa, IRAQ

Aras, Serhat, Ph.D.
Department of Medical Physics,
University of Health Sciences
Ankara, TURKEY

Arman Pegah, M.D. Hamadan University of Medical Science Hamadan, **IRAN**

Arogunjo, Muyiwa, Ph.D. Department of Physics, Federal University of Technology, Akure. **NIGERIA**

Aswood, Murtadha Sh., Ph.D.Department of Physics,
University of Al-Qadisiyah,
Al-Qadisiyah, **IRAQ**

Awad Mohamed K. El Den, Ph.D. Mubark Alkabeer Hospital, Kuwait, Jabriya, **KUWAIT**

Awwad, Mohammed H. Ph.D.Department of Molecular Biology,
Benha University,
Benha, **EGYPT**

Azhari, Hasin Anupama, Ph.D.
Department of Medical Physics and
Biomedical Engineering United
International University (UIU),
Dhaka, BANGLADESH

Azmoonfar, Rasool, M.Sc.
Department of Radiology,
School of Allied Medical Sciences,
Hamadan University of Medical
Sciences, Hamadan, IRAN

Balaji, Karthik, Ph.D.Department of Medical physics
Gleneagles Global Hospitals,
Chennai, **INDIA**

Banaei Amin, Ph.D.

Department of Medical Physics, Tarbiat Modarres University Tehran, **IRAN**

Belafrites Abdelfettah, Ph.D.Department of Physics,
University of Jijel, **ALGERIA**

Benhalouche Saadia, Ph.D.

Department of Medical Physics University of Sciences and Technology, Oran USTO Mohamed Boudiaf, **ALGERIA**

Bharati, Avinav, Ph.D.

Department of Medical Physics, Dr Rmlims, Lucknow Aiims, Kolkata, West Bengal, **INDIA**

Binboga, Erdal, Ph.D.

Department of Biophysics, Faculty of Medicine, Ege University, Bornova, **TURKEY**

Buyuk, Cansu, Ph.D.

Department of Dentomaxillofacial Radiology, Istanbul Okan University, Istanbul, **TURKEY**

Chandel, Sanjay S., M.D.

Department of Radiation Oncology, Gajra Raja Medical College, Gwalior, **INDIA**

Chaou Zine el Abidine i, Ph.D.

Department of Physics, Ferhat Abbas University of Setif Setif , **ALGERIA**

Chen Huijuan, , Ph.D.

Department of Radiation Biology, Fujian Polytechnic Normal University, Fuqing, **CHINA**

Chen Xue, M.D.

Department of Medical Sciences, The Second Hospital of Jilin University, Changchun, **CHINA**

Chen Yongshun, M.D.
Department of Radiation Oncology,
Renmin Hospital of Wuhan
University Wuhan, CHINA

Cizmeci, Mehmet N., M.D.

Department of Pediatrics, University of Toronto, Toronto, **CANADA**

Dang Juan, M.D.

Department of Medical Sciences, The First Affiliated Hospital of Gannan, Medical College, Ganzhou, CHINA

Demir Bayram, Ph.D.

Department of Medical Physics, Istanbul University, Istanbul, **TURKEY**

Deng, Xiaowu Ph.D

Department of Radiation Oncology, Sun Yat-sen University Cancer Center Guangzhou, **CHINA**

Deswal Mohit, Ph.D.

Radio-Imaging Technology, Faculty of Allied Health Sciences, SGT University, Haryana, **INDIA**

Di Maria Salvatore, Ph.D.

IST/CTN. Estrada Nacional, Sacavem, Bobadela, **PORTUGAL**

Dong, Sheng M.D.

Affiliated Hospital of Shaanxi University of Medicine, Xianyan Medical Sciences, Shaanxi, **CHINA**

Dove, Austin Ph.D. M.D.

Department of Radio-oncology Vanderbilt University Medical Center Nashville, TN, **USA**

Essien, Joseph, P. Ph.D.

Department of Microbiology, University of Uyo, UNIUYO Akwa Ibom State, **NIGERIA**

Eroglu, Celalettin, Ph.D.

Faculty of Medicine, Erciyes University, Kayseri, **TURKEY**

Fardid, Reza, Ph.D.

Shiraz University of Medical Sciences Shiraz, **IRAN**

Fayad, Laura, M.D.

Department of Radiology and Radiological Science Johns Hopkins University, **USA**

Feng Xiaoxing, M.D.

The First Hospital of Jilin University, Changchun, **CHINA**

Gamze Erkılınç, M.D.

Department of Pathology, Manisa Celal Bayar University, Manisa, **TURKEY**

Ghodsirad, Mohammad Ali, Ph.D.

Department of Nuclear Medicine, Shahid Beheshti University of Medical Sciences, Tehran, **IRAN**

Gong, Changfei, Ph.D.

Department of Radiotherapy and Medical Physics The First Affiliated Hospital of Nanchang University Nanchang, **CHINA**

Govindaraj, Kesavan Ph.D.

Vadamalayan Hospital (Madurai), Alagappa University, Alagappa Nagar, **INDIA**

Gul Osman Vefa, Ph.D.

Department of Radiation Oncology, Selcuk University, Konya, **TURKEY**

Gurjar, Om Prakash, Ph.D.

India Institute of Medical Sciences, Indore, Madhya Pradesh, **INDIA**

Haeri, Abolghasem, Ph.D.

National Radiation Protection Department (NRPD), Atomic Energy Organization, Tehran, **IRAN**

Han, Guang, M.D.

Department of Radiation Oncology, Hubei Cancer Hospital Hubei, **CHINA**

Hashim, Noor Hashida, Ph.D.

Institute of Biological Sciences, Faculty of Science, Malaya Universiti, **MALAYSIA**

Hassan, N. Ezaldin, Ph.D.

Department of Environmental Science, University of Zakho, Kurdistan Region, **IRAQ**

He, Zhenwen, M.D.

Kunming Municipal Hospital of Traditional Chinese Medicine, Kunming, 650000, **CHINA**

Hemba, Emmanuel C., Ph.D.

Department of Physics, Federal College of Education, Pankshin, Plateau State, **NIGERIA** Herscovitch, Peter, M.D.
PET Department, NIH Clinical
Center, National Institutes of Health
Bethesda, USA

Hezma Abd El_Hamid, Ph.D.

Department of Biophysics Spectroscopy, National Research Centre (NRC) Cairo, **EGYPT**

Hibstie Yihunie Asres, Ph.D

Department of Physics, Debre Markos University Debre Markos, **ETHIOPIA**

Hu Xiangjun, Ph.D.

Biological Electromagnetic, Hebei University of Medical Sciences Baoding, Hebei, **CHINA**

Huang Yifan, Ph.D

School of Basic Medicine, North Sichuan Medical College, Nanchong, **CHINA**

Jiang Ying, M.D.

Department of Ultrasound Imaging, Pu Ren Hospital Affiliated to Wuhan University of Science and Technology, Wuhan, Hubei430081, CHINA

Jung, Dae-woo, Ph.D.

Director of the Nuclear Safety and Security Commission's Next Generation Nuclear Reactor Safety Division, **SOUTH KOREA**

Karimi, Amir Hossein, Ph.D.

Department of Medical Physics Tehran University of Medical Sciences, Tehran, **IRAN**

Karthikeyan, S. S., Ph.D.

National Institute of Technology, Tiruchirappalli, Tamil Nadu, **INDIA**

Karunakara, Naregundi, Ph.D.

Centre for Advanced Research in Environmental Radioactivity (CARER), Mangalore University, Mangalore, **INDIA**

Kaymak Zümrüt Arda, M.D.

Department of Radiation Oncology Medical Faculty, Suleyman Demirel University, Isparta, **TURKEY**

Kaynar Lale Aydin, M.D.

Gazi University School of Medicine Department of Hematology Ankara, **TURKEY**

Keser Recep, Ph.D.

Department of Physics, Faculty of Sciences and Arts, RTE University, Rize, **TURKEY**

Kim, Young-Hwan, M.D.

Radiology Department, UMass Chan Medical School Boston, **USA**

Kong, Youqian, M.D.

Department of Internal Medicine, First Affiliated Hospital, Heilongjiang University of Chinese Medicine Harbin, **CHINA**

Kothan, Suchart, M.D.

Department of Radiology Chiang Mai University, Chiang Mai, **THAILAND**

Kovács, Tibor, Ph.D.

Department of Radiation Measurement, Corvinus University of Budapest Budapest, **HUNGARY**

Li, Jintian, Ph.D.

Institute of Ecological Science, South China Normal University, Guangzhou, **CHINA**

Liang, Jie-Peng, Ph.D.

Department of Epidemiology, School of Public Health, China Medical University, Shenyang, CHINA

Liu Hongmeng, M.D.

Department of Internal Medicine-Oncology, the Fifth Affiliated Hospital of Zhengzhou University, Zhengzhou, Henan450000, **CHINA**

Liu, Sha, Ph.D.

Department of Cancer Cell and Molecular Biology, University of Leicester, **UK**

Liu Zhi-Jie, M.D.

State Key Laboratory of Oncology in South China, Sun Yat-sen University Cancer Center, Guangzhou, **CHINA**

Luntsi, Geofery, Ph.D.

Department of Medical Imaging, University of Maiduguri, Borno State, **NIGERIA**

Luo Lili, Ph.D.

First Hospital of Jilin University, Changchun, 130021, **CHINA**

Ma, Lihui, M.D.

Department of Radiology Affiliate Hospital of Chengde Medical University, Chengde, **CHINA**

Mahdavi, Seied Rabi, Ph.D.

Department of Medical Physics, Iran University of Medical Sciences, Tehran, **IRAN**

Mahmoudi, Frashid, Ph.D.

Department of Medical Physics, Lorestan University of Medical Sciences Radiotherapy Lorestan, **IRAN**

Mietelski Jerzy, Ph.D.

Institute of Nuclear Physics, Polish Academy of Sciences Kraków, **POLAND**

Mirekhtiary Fatemeh, Ph.D

Department of Electrical and Electronic Engineering, Near East University, Nicosia, **CYPRUS**

Mosleh-Shirazi, M.A.

Department of Medical Physics, Shiraz University of Medical Sciences, Shiraz, **IRAN**

Motevalii Lale Rafat, Ph.D.

Department of Physics Ferdowsi University of Mashhad, Mashhad, **IRAN**

Monfared, S. Ali, Ph.D.

Babol University of Medical Sciences, Babol, **IRAN**

Mozdarni, Hossein, Ph.D.

Department of Medical Genetics, Tarbiat Modares University Tehran, **IRAN**

Najam, Laith, Ph.D.

Department of Physics, College of Science, University of Mosul, Mosul, **IRAQ**

Nanzad, Norov, Ph.D.

Department of Nuclear Physics and Technology. National University of Mongolia, Ulaanbaatar, **MONGOLIA**

Nguyen Van Thang, Ph.D

University of Science, Vietnam National University, Environmental Radiation, Ho Chi Minh City, **VIETNAM**

Pandesh, Sajjad, Ph.D.

Department of Radiology, Birjand University of Medical Sciences, Birjand, **IRAN**

Park, Chanrok, Ph.D.

Department of Radiological Science, Eulji University, Daejeon, **SOUTH KOREA**

Piotrowski, Tomasz, Ph.D. DSc

Department of Medical Physics, DSC Poland Cancer Center, Poznan University of Medical Sciences, Poznan, **POLAND**

Qiu, JianJian, Ph.D.

Department of Neuroimaging, Radiation Oncology, Huadong Hospital, Fudan University, Shanghai, **CHINA**

Rabaiee, Nor Ain Ph.D.

International Islamic University MalaysiaKuala Lumpur, Selangor, **MALAYSIA**

Rajasekaran, Dhanabalan, Ph.D.

Department of Medical Physics, All India Institute of Science (AIIMS), Delhi, **INDIA**

Raveendran Vysakh, Ph.D.

Department of Medical Physics, Advanced Centre for Treatment, Research and Education in Cancer, Mumbai, **INDIA**

Saber Korosh, Ph.D.

Department of Medical Physics, School of Medical Sciences, Isfahan, IRAN Sahin, Meryem C., Ph.D.

Department of Medical Physics, Usak University, **Usak**, **TURKEY**

Salim Ruqaya, Ph.D.

Department of Nuclear Physics, University of Kufa, Kufa, **IRAQ**

Selami, Eken, Ph.D.

Department of Radiation Oncology, Kahramanmaraş Sutçu Imam University Onikisubat, **TURKEY**

Shahbazi-Gahrouei, D., Ph.D.

Department of Medical Physics, Isfahan University of Medical Sciences, Isfahan, **IRAN**

Shazia, Fatima, Ph.D.

President Pakistan Society of Nuclear Medicine Women in Nuclear -Pakistan The University of Lahore Islamabad, **PAKISTAN**

Shen, Enlu, Ph.D.

Clinical Research Institute, Shanghai Jiao Tong University, Shanghai, **CHINA**

Sivagnanam, Balaji, Ph.D.

Dr Rai Memorial Cancer Institute, Chennai, **INDIA**

Sugumaran, Murugesan, Ph.D.

Department of Physics School of Science and Humanities Sathyabama Institute of Science and Technology Chennai Noida, Uttar Pradesh, **INDIA**

Sujii, Hirohiko, M.D.

Department of Radiation Oncology, Institute of Radiological Sciences (NIRS), Heavy Ion Medical Accelerator in Chiba, Chiba, **JAPAN**

Sun, Jian, Ph.D.

Institute of Physics, Beijing Normal University, Beijing, **CHINA**

Sung, Jae, H., M.D.

Department of Radiation Oncology, Ajou University School of Medicine, Suwon, **Republic of KOREA**

Syla Naim, Ph.D.

Department of Physics, University of Pristina Pristina, **KOSOVO**

Tan Yong, Ph.D.

Yangtze Delta Region Institute Tsinghua University Jiaxing, Zhejiang, **CHINA**

Tang, Sufang, Ph.D.

Chinese Academy of Science, Beijing, **CHINA**

Taylan Tugrul, M.D.

Department of Radiation Oncology Van Yüzüncü Yıl University Van, **TÜRKIYE**

Thangaraj, A. Kumar, Ph.D.

Medical Physicist in Velacheri Chennai, **INDIA**

Thi Hong, Loan T., Ph.D.

Nuclear Technique Laboratory, University of Science, Ho Chi Minh City, **VIET NAM**

Thomas, M van Gulik, Ph.D.

Department of Cancer Biology and Immunology, Amsterdam UMC research portal, Amsterdam, **NETHERLANDS**

Wakatsuki, Masaru, M.D.

Department of Radiaiton Oncology Anagawa, Inage-ku, Chiba, **JAPAN**

Wang, Baoqi, M.D.

Department of Radiology, Yan'an Hospital of Traditional Chinese Medicine, Shaanxi Province, **CHINA**

Wang, Mingqing, Ph.D.

Hangzhou Fuyang Hospital of Chinese Medicine, Hangzhou, **CHINA**

Wang, Mingyu, M.D.

Liaoning Cancer Hospital, China Medical University, **CHINA**

Wang Hongyu MD, PhD

Department of Diagnostic and Interventional Imaging, McGovern Medical School at UTHealth Houston, Houston, TX, **USA**

Wang Shilei, M.D.

People's Hospital of Pingyi County, Linyi 273300, **CHINA**

Wang Bin, Ph.D.

MD Anderson Cancer Center, University of Texas Houston, **USA**

Wu Jia-Ming, Ph.D.

Department of Medical physics Yee Zen General Hospital, Tao Yuan, **TAIWAN**

Wang Xi, M.D.

The First Affiliated Hospital of Zhengzhou University, Zhengzhou, Henan, **CHINA**

Wu, Kai-Liang, M.D.

Department of Radiation Oncology, Fudan University Shanghai Cancer Center, Shanghai, **CHINA**

Xu, Fan, Ph.D.

Department of Medical Imaging Beijing Institute of Technology, Beijing, **CHINA**

Yahaya Tajudeen, Ph.D.

Department of Biology, Federal University Birnin Kebbi, **NIGERIA**

Yang, Quan, M.D.

Department of Radiology Yongchuan Hospital of Chongqing Medical University, **CHINA**

Yasuo Kosugi, M.D

Department of Radiation Oncology, Juntendo University, 2-1-1 Hongo, Bunkyo-ku, Tokyo, **JAPAN**

Yong, He, Ph.D.

Nuclear Medicine, School of Civil Engineering Wuhan University, CHINA

Yoon, Yongsu Ph.D.

Department of Radiological Science, Dongseo University, Republic of **KOREA**

Zaher, Ebtsam, Ph.D.

Department of Radiation Sciences, Alexandria University, Alexandria, **EGYPT**

Zhu Xuyao, M.D.

Department of Radiology, The Second Affiliated Hospital of Mudanjiang Medical College, Mudanjiang, Heilongjiang, **CHINA**

Zhang Hongchao, M.D.

Department of Clinical Medicine, Heze Medical College, Heze, **CHINA**

Zhang, Guangyu, M.D.

Department of Gynaecology, The Affiliated Hospital of Southwest Medical University, Luzhou, **CHINA**

Zhang,Chenchen, M.D.

Department of Clinical Medicine, University of Maryland, Baltimore, **USA**

Zhang, Heng, Ph.D.

Department of Radiology Jiangnan University, Wuxi, **CHINA**

Zhang, Shuixing, M.D., Ph.D.

Department of Radiology, Guangdong General Hospital, Guangdong Academy of Medical Sciences, Guangzhou, **CHINA**