

Curriculum Vitae

Name: **GHOBADI – MARALLU, HASSAN**

Addresses: **Home:** No. 15, 2nd Alley, 4th Block, Azerbaijan St. Azadi Town, Ardabil, I.R. IRAN - Postal Code: 56157-81118, Tel. +98-45-33719499.

Office: Imam Khomeini Hospital, Shahid Noei-Aghdam St. Ardabil, I.R. IRAN - Postal Code: 56196-47531, Tel. +98-45-33251401.

E mail: h.ghobadi@arums.ac.ir, hghobadm@gmail.com

Cell phone: +98-914-3533600

Date of birth: November 7, 1963

Place of birth: Ardabil, I.R. IRAN

Nationality: Iranian

Marital Status: Married

Language: Persian, and English (Intermediate)

Qualification:

- 1-** Sub-Specialty in Pulmonary Disease, Mashhad University of Medical Sciences, Mashhad, IRAN (Sep., 2006 – Sep., 2008).
- 2-** Specialty in Internal Medicine, Mashhad University of Medical Sciences, Mashhad, IRAN (Sep., 1999 – Sep., 2003).
- 3-** M.D. (General Practitioner), Faculty of Medicine, Shahid Beheshti University, Tehran, IRAN (Sep., 1983 – Sep., 1989).
- 4-** Diploma in mathematics, Safavi high school, Ardabil, IRAN, 1979.

Official Positions:

- 1-** Professor of Pulmonary Diseases (Internal Medicine), Ardabil University of Medical Sciences, Ardabil, IRAN, Since August, 2020.
- 2-** Associate professor of Internal Medicine, Ardabil University of Medical Sciences, Ardabil, IRAN, from June, 2015 up to August, 2020.
- 3-** Assistant Professor of Internal Medicine, Ardabil University of Medical Sciences, Ardabil, IRAN, (October, 2008 - June, 2015).
- 4-** Chairman of Internal Medicine Department, Ardabil University of Medical Sciences, Ardabil, IRAN (June, 2009 – April, 2011 and April, 2015 – April, 2017).
- 5-** Vice-President for Treatment Affair of Ardabil University of Medical Sciences, Ardabil, IRAN, (December, 2010 – December, 2014).
- 6-** Chief executive officer (CEO) of Specialized and Sub-Specialized Clinics of Ardabil Medical Sciences University, Ardabil, IRAN (Sep. 2011–April 2015).
- 7-** Vice-President for Education Affair of Ardabil University of Medical Sciences, Ardabil, IRAN, (February, 2022 – July, 2023).

Member Ships:

- 1-** Faculty member of Ardabil University of Medical Sciences, since 2008.
- 2-** Member of the Iranian Society of Pulmonology, from 2008 up to now.
- 3-** European Respiratory Society membership, from March, 2009 up to now.
- 4-** American Thorax Society membership, from Sep. 2012 up to Sep. 2018.
- 5-** Tuberculosis committee of Ardabil University of Medical Sciences since 2008.
- 6-** Member of the Research Council in Faculty of Medicine, Ardabil University of Medical Sciences, from June, 2009 up to March, 2011 and from May, 2015 up to June, 2017.
- 7-** Member of Ardabil University of Medical Sciences Research Council, from November, 2017 up to now.
- 8-** Member of Iranian Board of Internal Medicine, from January, 2022 up to 2024

Teaching:

- 1-** Teaching to Medical Students (Pulmonary Pathophysiology) in Ardabil University of Medical Sciences, Ardabil, IRAN, from 2008 up to now.
- 2-** Teaching to Medical Students (Pulmonary Pathophysiology) in Azad University of Medical Sciences or Ardabil, IRAN, from 2008 up to 2011.
- 3-** Teaching to Internal Medicine Assistant in Imam Khomeini Hospital, Ardabil University of Medical Sciences, Ardabil, IRAN, from 2008 up to now.

Honors:

- 1-** Honored Physician of Medical Council of Islamic Republic of Iran, in 2006.
- 2-** Honored Assistant Professor of Ardabil University of Medical Sciences in 2014.
- 3-** Honored Department Chairman of Ardabil University of Medical Sciences in 2016.
- 4-** Premier Clinical Researcher of Ardabil University of Medical Sciences in 2016.
- 5-** Top Reviewer of Iranian Journal of Medical Sciences (IJMS) for 2016.
- 6-** Honored Associate Professor of Ardabil University of Medical Sciences in 2019.
- 7-** Premier Clinical Researcher of Ardabil University of Medical Sciences in 2019.
- 8-** The first rank of the researcher of Ardabil province in the clinical medical sciences in 2021.
- 9-** Premier Clinical Researcher of Ardabil University of Medical Sciences in 2022.

Research experience:

- 1-** Clinical and Para-Clinical studies on pulmonary complication of COVID-19 patients in in Imam Khomeini Hospital, Ardabil (from March 2020 up to now).
- 2-** Clinical and Para-Clinical studies on Inflammatory Markers of COPD Patients in Pulmonary Diseases Research Center (PDRC) of Ardabil University of Medical Sciences (June, 2020 up to now).
- 3-** The effect of supplemental diet (such as Conjugated Linoleic Acid and Saffron) on the quality of life and pulmonary function in patients with COPD (from 2014 up to now).
- 4-** Clinical and Para-clinical studies on airway inflammation and Quality of Life in COPD patients in Imam Khomeini Hospital, Ardabil (from 2009 up to now).
- 5-** Comparison of CAT (COPD assessment test) score with pulmonary function test in COPD patients in Ardabil (from March, 2010 – April, 2011).
- 6-** The effect of statins on pulmonary function in Chemical Warfare Victims (CWV) in Ardabil (from Dec., 2009 – Dec., 2011).
- 7-** Clinical studies on pulmonary complication of chemical war-gas (Mustard) poisonings (March, 2007 – May, 2008).

Presentation:

- 1- Evaluation of serum levels of Sirtuin-1 in lung cancer patients. **Hassan Ghobadi-Marallu**, Saeid Hosseiniinia, Aslan Ameli, Farhad Pourfarzi, Mohammad Reza Aslani. 30nd European Respiratory Society Annual Congress in Madrid, European Respiratory Journal 2020 56: 1735; DOI: 10.1183/13993003.congress-2020.1735.
- 2- The effects of conjugated linoleic acid supplementation on the serum levels of Interleukin-6 and Sirtuin-1 in COPD patients. **Hassan Ghobadi-Marallu**, Somaieh Matin, Ali Nemati, Mehran Mesgari-Abbasi, Saeid Ghorbani, Mohammad Reza Aslani. 29nd European Respiratory Society Annual Congress in Madrid, European Respiratory Journal 2019 54: OA3582; DOI: 10.1183/13993003.congress-2019.OA3582.
- 3- The Correlation of Serum Brain Natriuretic Peptide and Interlukine-6 with Quality of Life using COPD assessment test. **Hassan Ghobadi-Marallu**, Mohammad-Reza Aslani, Adalat Hosseinian, Esmaeil Farzaneh. 27nd European Respiratory Society Annual Congress in Milan, Sep. 10, 2017. Thematic Poster Session. *European Respiratory Journal Sep 2017, 50 (suppl 61) PA1103; DOI: 10.1183/13993003.congress-2017.PA1103*
- 4- The effects of atorvastatin in mustard gas exposed patients with chronic obstructive pulmonary disease: A randomized controlled trail. **Hassan Ghobadi**, Shahrzad M. Lari, Farhad Pourfarzi, Afsoun Mahmoudpour, Mostafa Ghanei. 22nd European Respiratory Society Annual Congress in Vienna, Austria, Sep. 4, 2012. Thematic Poster Session. *European Respiratory Journal Sep 2012, 40 (Suppl 56) P4009*.
- 5- The relationship between COPD assessment test (CAT) scores and severity of airflow obstruction in stable COPD patients. **Hassan Ghobadi-Marallu**, Saeid Sadeghieh-ahari, Shahrzad Mohammadzadeh Lari. 22nd European Respiratory Society Annual Congress in Vienna, Austria, Sep. 3, 2012. Thematic Poster Session. *European Respiratory Journal Sep 2012, 40 (Suppl 56) P2287*.
- 6- The performance of COPD assessment test (CAT) in mustard lung patients. Shahrzad Mohammadzadeh Lari, **Hassan Ghobadi-Marallu**, Davood Attaran, Mohammad Towhidi, Afsoun Mahmoudpou. 22nd European Respiratory Society Annual Congress in Vienna, Austria, Sep. 3, 2012. Thematic Poster Session. *European Respiratory Journal Sep 2012, 40 (Suppl 56) P2286*.
- 7- Subjective (CAT, MMRC) versus objective (PFT, 6MWD, SPO2) assessment in stable COPD patients. **Hassan Ghobadi-Marallu**, Shahrzad M. Lari, Nasrin Fouladi, Katrin Beukaghazade. 22nd European Respiratory Society Annual Congress in Vienna, Austria, Sep. 2, 2012. Thematic Poster Session. *European Respiratory Journal Sep 2012, 40 (Suppl 56) P730*.
- 8- The EDD (exercise, DLco, dyspnea) index in diffuse systemic sclerosis with pulmonary fibrosis. Shahrzad Mohammadzadeh Lari, Davood Attaran, Jaleh Shariati, Pouya Nazari, **Hassan**

Ghobadi-Marallu, Saeid Akhlaghi. 22nd European Respiratory Society Annual Congress in Vienna, Austria, Sep. 2, 2012. Thematic Poster Session. *European Respiratory Journal Sep 2012, 40 (Suppl 56) P704.*

9- A comparative study of the correlations of the COPD assessment test (CAT) scores and high sensitive CRP levels to SPO2, FEV1, BODE index, and exacerbation rate. **Hassan Ghobadi**, Katrin Beukaghazadeh, Nasrin Fouladi. 21st European Respiratory Society Annual Congress in Amsterdam, Netherlands, Sep. 27, 2011. Thematic Poster Session. *European Respiratory Journal Sep 2011, 38 (Suppl 55) p4059.*

10- Comparisons of the eosinophil cationic protein (ECP) levels and eosinophil counts in sputum of mustard lung disease (MLD) and normal subjects. **Hassan Ghobadi-Marallu**, Shahrzad M. Lari, Davood Attaran, Mohammad Towhidi, Majid Mirsadraee, Mohammad Reza Khakzad, Mohammad Khajedalouee, Amir Hosein Jafarian. 19th European Respiratory Society Annual Congress in Vienna, Austria, Sep. 15, 2009. Thematic Poster Session [P940].

11- Highly sensitive C-reactive protein: is it a predictor of airway disease severity in mustard lung patients? S. Mohammadzadeh Lari, D. Attaran, M. Towhidi, A. Asnaashari, **Hassan Ghobadi-Marallu**, M. Khajehdalouee, H. Ayatollahi. 19th European Respiratory Society Annual Congress in Vienna, Austria, Sep. 15, 2009. Electronic Communication [E3147].

12- Health related quality of life in mustard lung patients and its correlation with lung function parameters. Shahrzad Mohammadzadeh Lari, Davood Attaran, Mohammad Towhidi, Mahnaz Amini, Reza Basiri, **Hassan Ghobadi-Marallu**. 19th European Respiratory Society Annual Congress in Vienna, Austria, Sep. 15, 2009. Thematic Poster Session [P3435].

13- Ciprofloxacin vs. Metronidazol in quadruple therapy regimens for the treatment of H.Pylori infection in patients with duodenal ulcer. **Hassan Ghobadi-Marallu**, Ahmad Khosravy, Hassan Vosouginia. Third Iranian congress of Helicobacter Pylori, Faculty of Science, University of Tehran. Tehran, IRAN.12 June 2003. (Oral Presentation in Persian).

Papers:

- 1- Prognostic Value of Admission Neutrophil Count in Asthma Patients with COVID-19: A Comparative Analysis with other Systemic Inflammation Indices for In-hospital Mortality Prediction. **Hassan Ghobadi**, Jafar Mohammadshahi, Aylin Tarighi, Seyed Amir Hossein Hosseini, Kara Garjani, and Mohammad Reza Aslani. *Iranian Journal of Allergy, Asthma and Immunology*. 2023; 22(4): 390-7.
- 2- Potential role of saffron and its components on miRNA levels in various disorders, a comprehensive review. Mohammad Reza Aslani, Farshad Armin, Ali Abedi, Elham Keramati, **Hassan Ghobadi**. *Iranian Journal of Basic Medical Sciences*, 2023; 26(10): 1120.
- 3- Aggregate index of systemic inflammation (AISI) in admission as a reliable predictor of mortality in COPD patients with COVID-19. Saeed Hosseninia, **Hassan Ghobadi**, Kara Garjani, Seyed Amir Hossein Hosseini, Mohammad Reza Aslani. *BMC Pulmonary Medicine*, 2023; 23(1): 1-9.
- 4- Effect of crocin of *Crocus sativus* L. on serum inflammatory markers (IL-6 and TNF- α) in chronic obstructive pulmonary disease patients: a randomised, double-blind, placebo-controlled trial. Mohammad Reza Aslani, Nasim Abdollahi, Somaieh Matin, Anahita Zakeri, **Hassan Ghobadi**. *British Journal of Nutrition*, 2023; 130(3): 446-453.
- 5- Role of Lipid Profile and Its Relative Ratios (Cholesterol/HDL-C, Triglyceride/HDL-C, LDL-C/HDL-C, WBC/HDL-C, and FBG/HDL-C) on Admission Predicts In-Hospital Mortality COVID-19. Jafar Mohammadshahi, **Hassan Ghobadi**, Golchin Matinfar, Mohammad Hossein Boskabady, Mohammad Reza Aslani. *Journal of Lipids*, 2023; ID 6329873.
- 6- Effect of saffron supplementation on oxidative stress markers (MDA, TAC, TOS, GPx, SOD, and pro-oxidant/antioxidant balance): An updated systematic review and meta-analysis of randomized placebo-controlled trials. Ali Abedi, **Hassan Ghobadi**, Afshan Sharghi, Sohrab Iranpour, Mehdi Fazlzadeh, Mohammad Reza Aslani. *Frontiers in Medicine*, 2023; 10: 1071514.
- 7- Urinary concentrations of BTEX in waterpipe smokers and nonsmokers: Investigating the influence of conventional activities and multiple factors. **Hassan Ghobadi**, Roohollah Rostami, Behzad Saranjam, Mohammad Reza Aslani, Mehdi Fazlzadeh, Hamid Reza Ghaffari. *Ecotoxicology and Environmental Safety*, 2022; 241: 113717.
- 8- Effect of crocin from saffron (*Crocus sativus* L.) supplementation on oxidant/antioxidant markers, exercise capacity, and pulmonary function tests in COPD patients: A randomized, double-blind, placebo-controlled trial. **Hassan Ghobadi**, Nasim Abdollahi, Hanieh Madani, Mohammad Reza Aslani. *Frontiers in Pharmacology*, 2022; 13: 884710.

9- The effect of convalescent plasma on the treatment of COVID-19 patients in Ardabil, Iran. Effat Iranijam, **Hassan Ghobadi**, Somaieh Matin, Shahram Habibzadeh, Hamed Zandian, Jafar Mohammadshahi, Shahnaz Fooladi, Abdollah Dargahi, Elham Safarzadeh, Mohammad Negaresh. Journal of Education and Health Promotion, 2022; 11: 1-8.

10- The probability of diagnostic delays for tuberculosis and its associated risk factors in northwest Iran from 2005 to 2016: a survival analysis using tuberculosis surveillance data. Reza Ebrahimoghi, **Hassan Ghobadi**, Davoud Adham, Parviz Jangi, Abbas Abbas-Ghahramanloo, Eslam Moradi-Asl. Epidemiology and Health, 2022; 44: e2022060.

11- Highly sensitive electrochemiluminescent immunoassay for detecting neuron-specific enolase (NSE) based on polyluminol and glucose oxidase-conjugated glucose-encapsulating liposome. Abolfazl Khakzad-Aghdash, **Hassan Ghobadi**, Pari Karami, Mohammad Johari-Ahar. Microchemical Journal, 2022; 181: 107785.

12- Role of leukocytes and systemic inflammation indexes (NLR, PLR, MLP, dNLR, NLPR, AISI, SIR-I, and SII) on admission predicts in-hospital mortality in non-elderly and elderly COVID-19 patients. **Hassan Ghobadi**, Jafar Mohammadshahi, Nazli Javaheri, Nasrin Fouladi, Yasaman Mirzazadeh, Mohammad Reza Aslani. Frontiers in Medicine, 2022; 9: 916453.

13- Adipolin and IL-6 Serum Levels in Chronic Obstructive Pulmonary Disease. Mohammad Reza Aslani, Mojtaba Amani, Faranak Moghadas, **Hassan Ghobadi**. Advances in Respiratory Medicine, 2022; 90(5): 391-398.

14- Altered gene expression levels of IL-17/TRA6/MAPK/USP25 axis and pro-inflammatory cytokine levels in lung tissue of obese ovalbumin-sensitized rats. Mohammad Reza aslani, Afshan Sharghi, Mohammad Hossein Boskabadi, **Hassan Ghobadi**, Rana Keyhanmanesh, Mohammad Reza Alipour, Mahdi Ahmadi, Saeideh Saadat, Parya Naghizadeh. Life Sciences, 2022; 296: 120425.

15- A case of recurrent pneumothorax and skin lesions diagnosed with Birt–Hogg–Dubé. Ali Hossein Samadi-Takaldani, Mohammad Negharesh, Slomaz Jalalzadeh, Leila Lotfi, **Hassan Ghobadi**. Oxford Medical Case Reports, 2022; 5: omac054.

16- Implanting jejunostomy tube as conservative management of tracheoesophageal fistula in a COVID- 19 patient. Negharesh Mohammad, Saeed Hoseininia, Ali Hossein Samadi-Takaldani, Iraj Feyzi-Khankandi, Bahman Mohammadzadeh-Germi, **Hassan Ghobadi**. Clinical Case Report. 2021; 9(12): e05151.

17- The efficacy of corticosteroids therapy in patients with moderate to severe SARS-CoV-2 infection: a multicenter, randomized, open-label trial. Mostafa Ghanei, Masoud Solaymani-Dodaran, Ali Qazvini, Amir-Hosein Ghazale, Seyed-Amin Setarehdan, Seyed Hassan Saadat, **Hassan Ghobadi**, Saeed Hoseininia, Maryam Elahikhah, Ali Hossein Samadi, Yousef Imani,

Ensieh Vahedi, Farhang Babamahmoodi, Fatemeh Tajik Rostami, Mohammad Hossein Azimzadeh-Ardebili, Akram Ansarifar, Fatemeh Fallahpoor-Golmaei, Atieh Asadollah. *Respiratory Research*. 2021; 22(1): 1-14.

18- Clustering of COVID-19 Symptoms among Iranian Patients: The Role of Preexisting Comorbidity on Latent Class Membership. Eslam Moradi-Asl, Davoud Adham, **Hassan Ghobadi**, Abbas Abbasi-Ghahramanloo. *Asia Pacific Journal of Public Health*. 2021; Vol. 33(5): 651–654.

19- Epidemiological characteristics and mortality risk factors among COVID-19 patients in Ardabil, Northwest of Iran. Davoud Adham, Shahram Habibzadeh, **Hassan Ghobadi**, Shabnam Asghari-Jajin, Abbas Abbasi-Ghahramanloo, Eslam Moradi-Asl. *BMC Emergency Medicine*. 2021; 21(1): 67.

20- Restoration and stabilization of acrylamide-induced DNA, mitochondrial damages and oxidative stress by chrysin in human lymphocyte. Ahmad Salimi, Niloufar Hashemidanesh, Enayatollah Seidy, Elahe Baghal, Farzad Khodaparast, **Hassan Ghobadi**. *Expert Opinion on Drug Metabolism & Toxicology*. 2021; 17(7): 857-865.

21- Serum Levels of Sirtuin-1 in Patients with Lung Cancer and its Association with Karnofsky Performance Status. Saeed Hosseninia, Aslan Ameli, Mohammad Reza Aslani, Farhad Pourfarzi, **Hassan Ghobadi**. *Acta Biomed* 2021; 92(2): e2021012

22- Evaluation of masks' internal and external surfaces used by health care workers and patients in coronavirus-2 (SARS-CoV-2) wards. Abdollah Darghahi, Farhad Jeddi, **Hassan Ghobadi**, Mehdi Vosoughi, Chiman Karami, Mehdi Sarailoo, Aidi Hadisi, S. Ahmad Mokhtari, Somayeh Biparva-Haghghi, Hadi Sadeghi, Morteza Alighadri. *Environmental Research*. 2021; 196: 110948.

23- Investigation of SARS CoV-2 virus in environmental surface. Abdollah Darghahi, Farhad Jeddi, Mehdi Vosoughi, Chiman Karami, Aidin Hadisi, S. Ahmad Mokhtari, **Hassan Ghobadi**, Morteza Alighadri, Somayeh Biparva-Haghghi, Hadi Sadeghi. *Environmental Research*. 2021; 195: 110765.

24- Characteristics and health risk assessment of heavy metals in indoor air of waterpipe cafés. Roohollah Roohollah, Mohammad EbrahimiKalan, Hamid-Reza Ghaffari, Behzad Saranjam, Kenneth D. Ward, **Hassan Ghobadi**, Yusef Poureshgh, Mehdi Fazlzadeh. *Building and Environment*. 2021; 190: 107557.

25- Serum levels of visfatin, sirtuin-1, and interleukin-6 in stable and acute exacerbation of chronic obstructive pulmonary disease. **Hassan Ghobadi**, Sara Mokhtari, Mohammad Reza Aslani. *Journal of Research in Medical Sciences*. 2021; 26(17): 1-9.

26- Mitochondrial, lysosomal and DNA damages induced by acrylamide attenuate by ellagic acid in human lymphocyte. Ahmad Salimi, Elahe Baghal, **Hassan Ghobadi**, Niloufar Hashemidanesh, Farzad Khodaparast, Enayatollah Seydi. PLOS ONE. 2021; 16(2): e0247776.

27- The relationships between serum Heart-type Fatty Acid Binding Protein and right ventricular echocardiographic indices in Chronic Obstructive Pulmonary Disease. Leili Avesta, Mohammad Reza Aslani, Parastoo Parham, Saeid Sadeghieh-Ahari, **Hassan Ghobadi**. The Clinical Respiratory Journal. 2021; 15(6): 628-636.

28- COVID-19 and beliefs about tobacco use: an online cross-sectional study in Iran. Mohammad Ebrahimi Kalan, **Hassan Ghobadi**, Ziyad Ben Taleb, Davoud Adham, Caroline O Cobb, Kenneth D Ward, Raed Behaleh, Mehdi Fazlzadeh. Environmental Science and Pollution Research. 2021; 28; 40346-40354.

29- Comparison of Serum Heart-Type Fatty Acid Binding Protein Levels in Stable Chronic Obstructive Pulmonary Disease and Healthy Subjects. Mohammad Reza Aslani, **Hassan Ghobadi**, Khadijeh Sarikhani, Saeid Hosseininia, Saeid Sadeghieh-Ahari. Tanaffos. 2020; 19(3): 208-215.

30- Periodontal Status, Its Treatment Needs, and Its Relationship with Airflow Limitation and Quality of Life in COPD Patients. Nazli Javaheri, Somaieh Matin, Abbas Naghizadeh-Baghi, Abolfazl Bagheri, Ani Andreasian, **Hassan Ghobadi**. The Eurasian Journal of Medicine. 2020; 52(3): 259-64.

31- Exploring the changes of physicians' behaviour toward informal payment based on Health Transformation Plan in Iran: A qualitative study. Minoo Alipouri Sakha, Telma Zahirian Moghadam, **Hassan Ghobadi**, Hamed Zandian. International Journal of Health Planning and Management. 2020; 35(5): 1127-1139.

32- Correlation of serum fatty acid binding protein-4 and interleukin-6 with airflow limitation and quality of life in stable and acute exacerbation of COPD. Mohammad Reza Aslani, Zeynab Ghazae, **Hassan Ghobadi**. Turkish Journal of Medical Sciences. 2020; 50: 337-345.

33- Correlations between Serum Decoy Receptor 3 and Airflow Limitation and Quality of Life in Male Patients with Stable Stage and Acute Exacerbation of COPD. **Hassan Ghobadi**, Nima Hosseini, Mohammad Reza Aslani. Lung. 2020; 198: 515-523.

34- Descriptive characteristics of hospitalized adult smokers and never-smokers with COVID-19. Mohammad Ebrahimi Kalan, **Hassan Ghobadi**, Ziyad Ben Taleb, Kenneth D. Ward, Davoud Adham, Somaieh Matin, Sajjad Narimani. Tobacco Induced Diseases. 2020; 18(May): 46. 1-3.

35- COVID-19 and acute kidney injury; a case report. **Hassan Ghobadi**, Mohammad Ebrahimi Kalan, Jafar Mohammad-Shahi, Ziyad Ben Taleb, Abbas Ebrahimi Kalan, Mehdi Fazlzadeh. *Journal of Renal Injury Prevention*. 2020; 9(3): e26.

36- Effects of conjugated linoleic acid supplementation on serum levels of interleukin-6 and sirtuin 1 in COPD patients. Mohammad Reza Aslani, Somaieh Matin, Ali Nemati, Mehran Mesgari Abbasi, Saeid Ghorbani, **Hassan Ghobadi**. *Avicenna Journal of Phytomedicine (AJP)*. 2020; 10(3): 305-315.

37- Modification of lung endoplasmic reticulum genes expression and NF- κ B protein levels in obese ovalbumin-sensitized male and female rats. Mohammad Reza Aslani, **Hassan Ghobadi**, Hamdollah Panahpour Mahdi Ahmadi, Morteza Heidarzadeh. *Life Sciences*. 2020; 247 (15 April): 117446.

38- Hydatid Cyst with Multiple Organ Involvement in Northwest of Iran, Ardabil Province. Somaieh Matin, **Hassan Ghobadi**, Saeed Hosseiniinia, Susan Mohammadi Kebar, Iraj Feizi, Hossein Salehzade. *Journal of Ardabil University of Medical Sciences*. 2019; 19(3): 294-300. (Full text in Persian)

39- Indications of admitting patients in internal ICU and the rate of mortality in Emam Khomeini hospital in 2013. **Hassan Ghobadi**, Shahram Habibzadeh, Bita Shahbazzadegan, Mohsen Mirzanezhadasl, Mahsa Kamranimoghaddam. *International Journal of Community Medicine and Public Health*. 2019; 6(6): 2335-2340.

40- The Effect of Conjugated Linoleic Acid supplementation on the Serum Leptin Level, Pulmonary Function and Quality of Life in COPD Patients. **Hassan Ghobadi**, Somaieh Matin, Ali Nemati, Hassan Javadi, Reza Alipanah-Moghadam, Mahdi Saeidi-Nir. *Journal of Ardabil University of Medical Sciences*. 2019; 19(1): 53-60. (Full text in Persian)

41- The Relationship between the Severity of Airway Obstruction and COPD Diagnostic Questionnaire Score in COPD Patients. Mohammad-Reza Aslani, Elham Gholizadeh, Hadi Ghobadi, Afshan sharghi, **Hassan Ghobadi**. *Journal of Ardabil University of Medical Sciences*. 2019; 19(1): 41-52. (Full text in Persian)

42- Airway Hyperresponsiveness and Bronchoalveolar Fluid Inflammatory Cells in Obese Asthmatic Male Rats. Rana Keyhanmenesh, Mohammad-Reza Alipour, **Hassan Ghobadi**, Mahdi Ahmadi, Alireza Moradi, Mohammad-Reza Aslani. *Journal of Ardabil University of Medical Sciences*. 2019; 18(4): 440-451. (Full text in Persian)

43- Effect of High-fat Diet on Tracheal Responsiveness to Methacholine and Insulin Resistance Index in Ovalbumin-sensitized Male and Female Rats. **Hassan Ghobadi**, Mohammad Reza Alipour, Rana Keyhanmanesh, Mohammad Hossein Boskabadi, Mohammad Reza Aslani. *Iran J Allergy Asthma Immunol*. 2019; 18(1): 48-61.

44- Spatial Analysis and Epidemiology of Lung Cancer in the Northwest of Iran. Davoud Adham, Eslam Moradi-Asl, Nategah Abbasgholizadeh, Hamed Zandian, Malek Abazari, **Hassan Ghobadi**. Pakistan Journal of Medical and Health Sciences. 2018; 12(4): 1851-1855.

45- Prognostic Factors in Acute Aluminium Phosphide Poisoning: A Risk-Prediction Nomogram Approach. Esmaeil Farzaneh, **Hassan Ghobadi**, Mahdieh Akbarifard, Samaneh Nakhaee, Alireza Amirabadizadeh, Ghodrat Akhavanakbari, Daniel E. Keyler, Omid Mehrpour. Basic & Clinical Pharmacology & Toxicology. 2018; 123(3): 347-355.

46- The Pulmonary Artery-Aorta ratio: Is it related to quality of life in chronic obstructive pulmonary disease? **Hassan Ghobadi**, Hamid Janbazi, Somaieh Matin, Shahrzad M. Lari, Khalil Ansarin. The Clinical Respiratory Journal. 2018; 12(8): 2390-96.

47- The Correlation of Serum Brain Natriuretic Peptide and Interleukin-6 with Quality of Life Using Chronic Obstructive Pulmonary Disease Assessment Test. **Hassan Ghobadi**, Mohammad-Reza Aslani, Adalat Hosseiniyan, Esmaeil Farzaneh. Medical Principles and Practice. 2018; 26(6): 509-15.

48- The effect of conjugated linoleic acid on oxidative stress and matrix metalloproteinases 2 and 9 in patients with COPD. Somaieh Matin, Ali Nemati, **Hassan Ghobadi**, Reza Alipanah-Moghadam, Lotfollah Rezagholizadeh. International journal of chronic obstructive pulmonary disease. 2018; 13: 1449-54.

49- Successful Treatment of Massive Pulmonary Thromboembolism with Reteplase: Case Series. **Hassan Ghobadi**, Zahra Amirajam, Afshin Habibzadeh. Tanaffos. 2018; 17(1): 53-56.

50- Educational needs assessment of faculty members in Ardabil University of Medical Sciences. Yousef Shafaei-Khanghah, Afsaneh Enteshari-Moghaddam, Farnaz Nasl-Seraji, Firouz Amani, **Hassan Ghobadi**, Esmaeil Farzaneh. International Journal of Community Medicine and Public Health. 2017; 4(11): 4042-48.

51- Correlation of serum vascular adhesion protein-1 with airflow limitation and quality of life in stable chronic obstructive pulmonary disease. Mojtaba Amani, Naeimeh Ghadimi, Mohammad-Reza Aslani, **Hassan Ghobadi**. Respiratory Medicine. 2017; 132: 149-53.

52- The first report of two cases of fatal liver injury due to anti-tuberculosis drugs in the presence of alpha-1 antitrypsin deficiency. Shahram Habibzadeh, Jafar Mohammad-Shahi, **Hassan Ghobadi**, Nasrollah Maleki. The International Journal of Mycobacteriology. 2017; 6(2): 187-190.

53- The effect of Conjugated Linoleic Acid Supplementation on the Nutritional Status of COPD Patients. **Hassan Ghobadi**, Somaieh Matin, Ali Nemati, Abbas Naghizadeh-bagi. International journal of chronic obstructive pulmonary disease. 2016; 11: 2711-20.

54- Study Clinical Symptoms and Para-Clinical Findings in Poisoning Patient with Aluminum Phosphide in Patients Referred to Imam Khomeini Hospital in Ardabil (Northwest of Iran). Esmail Farzaneh, Babak Mostafazadeh, Farnaz Nasl-seraji, Yousef Shafaiee, **Hassan Ghobadi**, Firouz Amani. International Journal of Medical Toxicology and Forensic Medicine. 2015; 5(4): 175-79.

55- Approach to Patients with Severe Asthma: a Consensus Statement from the Respiratory Care Experts' Input Forum (RC-EIF), Iran. Khalil Ansarin, Davood Attaran, Hamidreza Jamaati, Mohammad-Reza Masjedi, Hamidreza Abtahi, **Hassan Ghobadi**, et al. Tanaffos. 2015; 14(2): 73-94.

56- Association of High Sensitive CRP Level and COPD Assessment Test Scores with Clinically Important Predictive Outcomes in Stable COPD Patients. **Hassan Ghobadi**, Nasrin Fouladi, Katrin Beukaghazadeh, Khalil Ansarin. Tanaffos. 2015; 14(1): 34-41.

57- Evaluation and Comparison of Serum and Pleural Fluid Procalcitonin in Patients with Prevalent Type of Pleural Effusion. Yousef Mohammadi-Kebar, Elham Nejadseyfi, **Hassan Ghobadi**, Firouz Amani. Journal of Ardabil University of Medical Sciences. 2014; 14(4): 371-378. (Full text in Persian)

58- Measuring the Quality of Services Provided for Outpatients in Kowsar Clinic in Ardebil City Based on the SERVQUAL Model. **Hassan Ghobadi**, Nasrin Mehrnoush, Gholamreza Hamidkhohlg, Firouz Amani. Journal of Ardabil University of Medical Sciences. 2014; 14(4): 379-387. (Full text in Persian)

59- The impact of Treatment on Serum Level of Procalcitonin in Patients with Active Pulmonary Tuberculosis. **Hassan Ghobadi**, Shahrzad M. Lari, Firouz Amani, Shahram Habibzadeh, Amirhosein Karimi, Farhad Pourfarzi. Journal of Cardio-Thoracic Medicine. 2014; 2(4): 238-242.

60- Pulmonary Artery Agenesis with Bronchial Asthma. **Hassan Ghobadi**, Somaieh Matin. Journal of Cardio-Thoracic Medicine. 2014; 2(2): 172-175.

61- The effects of atorvastatin on mustard gas exposed patients with chronic obstructive pulmonary disease: A randomized controlled trial. **Hassan Ghobadi**, Shahrzad M. Lari, Farhad Pourfarzi, Afsoun Mahmoudpour, Mostafa Ghanei. Journal of Research in Medical Sciences. 2014; 19(2): 99-105.

62- COPD Assessment Test (CAT): Simple tool for evaluating quality of life of Chemical warfare patients with chronic obstructive pulmonary disease. Shahrzad M. Lari, **Hassan Ghobadi**, Davood Attaran, Afsoun Mahmoodpour, Omid Shadkam, Maryam Rostami. The clinical Respiratory Journal. 2014; 8(1): 116-123.

63- The evidence of hyperinflation on chest x ray and its correlation with air flow obstruction in COPD patients. **Hassan Ghobadi**, Farhad Pourfarzi, Hassan Anari, Zohreh Hassani-Nassab. Journal of Cardio-Thoracic Medicine. 2013; 1(3): 89-94.

64- Carcinoid tumor with localized bronchectasis. **Hassan Ghobadi**, Esmail Farzaneh, Hosein Darvishkhah. Tanaffos. 2013; 12(2): 56-60.

65- Epidemiology and risk factors for lung cancer in Ardabil, Iran. **Hassan Ghobadi**, Afshan Sharghi, Zhila Sadat-kermani. Journal of Ardabil University of Medical Sciences. 2013; 13(2): 220-228. (Full text in Persian)

66- The Significance of BODE (BMI, Obstruction, Dyspnea, Exercise) Index in Patients with Mustard Lung. Shahrzad M. Lari, **Hassan Ghobadi**, Davood Attaran, Asghar Kazemzade, Afsoun Mahmoodpour, Omid Shadkam, Zahra Javid-Arbshahi. Journal of Cardio-Thoracic Medicine. 2013; 1(1): 7-11.

67- Factors Associated with Delay in Diagnosis of Tuberculosis in Ardabil Province. Shahram Habibzadeh, **Hassan Ghobadi**, Farhad Pourfarzi, Manouchehr Barak, Sadegh Hazrati, Arezu Moini, et al. Iranian Journal of Infectious Diseases and Tropical Medicine. 2013; 17(59): 17-21. (Full text in Persian)

68- The Relationship between COPD Assessment Test (CAT) Scores and Severity of Airflow Obstruction in Stable COPD Patients. **Hassan Ghobadi**, Saeid Sadeghieh-Ahari, Azadeh Kameli, Sharzad M-Lari. Tanaffos. 2012; 11(2): 22-26.

69- Level of Eosinophil Cationic Protein in Sputum of Chemical Warfare Victims. Majid Mirsadraee, **Hassan Ghobadi-Marallu**, Mohammad-Reza Khakzad , Shahrzad M. Lari, Davood Attaran , Mohammad Towhidi, Mohammad Khajedalouee, Amir Hosein Jafarian. Iranian Journal of Basic Medical Sciences. 2011 May-Jun; 14(3): 249-255.

70- Obesity hypoventilation syndrome (OHS) and extreme lower limbs deep vein thrombosis (DVT) with heparin induced thrombocytopenia (HIT) and warfarin related cutaneous necrosis. Amir-Mohammad Asnaashari, **Hassan Ghobadi-Marallu**, Shahrzad M. Lari, Elham Ghale noe. Journal of Ardabil University of Medical Sciences. 2010; 10(3): 270-273. (Full text in Persian)

71- Interleukin-6 and airflow limitation in chemical warfare patients with chronic obstructive pulmonary disease. Davood Attaran, Shahrzad M. Lari, Mohammad Towhidi, **Hassan**

Ghobadi-Marallu, Hossein Ayatollahi, Mohammad Khajehdalouee, Mostafa Ghanei, Reza Basiri. International journal of chronic obstructive pulmonary disease. 2010; 5: 335-340.

72- Highly sensitive C-reactive protein levels in Iranian patients with pulmonary complication of sulfur mustard poisoning and its correlation with severity of airway diseases. Davood Attaran, Shahrzad M. Lari, Mohammad Khajehdalouee, Hossein Ayatollahi, Mohammad Towhidi, Amir Asnaashari, **Hassan Ghobadi-Marallu**, Maryam Mazloomi and Mahdi Balali-Mood. Human & Experimental Toxicology. 2009 Dec; 28(12): 739-745.

73- Myelomatous Pleural Effusion. Abbas Shirdel, Davood Attaran, **Hassan Ghobadi**, Taghi Ghiasi. Tanaffos. 2007 Nov; 6(2): 68-72.

74- Ciprofloxacin vs. Metronidazol in quadruple therapy regimens for the treatment of H.Pylori infection in patients with duodenal ulcer. Hassan Vosouginia, Hassan saadatnia, Ahmad Khosravy, **Hassan Ghobadi**. Medical Journal of Mashhad University. 2003; 46(79): 21-26. (Full text in Persian)

October 10, 2023

Ghobadi-Marallu, Hassan

Professor of Pulmonary Disease (Internal Medicine),

Ardabil University of Medical Sciences, Ardabil, IRAN.