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Tehran, Pasteur Institute
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ZOHRE EFTEKHARI

Associate Professor, Pasteur Institute of Iran
DVM, DVSc

EDUCATION

Research fellow

Institute of Biomedical Research, University of Tehran 2013-2015

Thesis: Research, development, and production of lung surfactant for NRDS treatment
(Beraksurf®)

Residency (DVSc) in Internal Veterinary Medicine

University of Tehran 2009-2013

Thesis: Isolation, extraction and identification of bovine lung surfactant

Professional Doctor of Veterinary Medicine (DVM)

Urmia University 2001 – 2007

Thesis: Omentum pedicled musculoperitoneal flap of abdominal wall for Augmentation
Cystoplasty

PROFESSIONAL POSITIONS

Technology of Manager of National Institute of Medical Sciences Research (NIMAD)

Jul 2022 to Sep 2023

Biotechnology Department, Pasteur Institute of Iran

Sep 2022 to present

Academic staff and founder member, Department of Zoonosis Diseases Research Center, Pasteur
Institute of Iran, Tehran, Iran

April 2018 to Present

Academic staff and founder member, Department of Zoonotic Diseases Research Center, Ilam
University of Medical Sciences, Ilam, Iran

March 2018 to Present

Researcher at Biopharmaceutical and Animal Modeling in Institute of Biomedical Research, Faculty of
Veterinary Medicine, University of Tehran

Sep 2009 to present

Adviser of the Food and Drug Administration of Iran on preclinical studies of Covid vaccine-19

May 2019 to Jul 2022

Head of Biotherium Laboratory (In vivo assays of vaccines and biological products), Quality Control
Department, Production and research complex, Pasteur Institute of Iran

March 2018 to Jul 2022

Snake & Scorpion Antivenom Products Production Quality Supervisor, Pasteur Institute of Iran

Sep 2016 – March 2018

Head of Research & Production Department. Production and Research Complex, Pasteur Institute of
Iran

Aug 2015 – Sep 2016

Head of Ethics in Animal Studies Committee. Pasteur Institute of Iran

June 2022 – Present

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TEACHING FIELDS

Laboratory Animals; Management, Breeding, Injections, and Sampling

Veterinary Internal Medicine; Respiratory diseases, Infectious Diseases and Heart diseases

Viral Vaccines; Different platforms, upstream process and Quality controls

Toxic assays in pharmaceutical products

Animal models in infectious and autoimmune diseases

Toxicology in Veterinary Medicine

SKILLS

Laboratory Field

- Antimicrobial Peptides, Biopharmaceutical products design and upstream process
- Quality Management Systems (Quality control, Quality assurance)
- Human and Veterinary Vaccines upstream process
- Animal Modeling and Nonclinical studies of vaccines and biological drugs
- Zoonosis Infectious Diseases

Laboratory techniques

- Real Time PCR
- Primer Design
- SDS-PAGE
- ELISA
- Cloning
- HPLC & Chromatography
- Flow Cytometry
- DNA & RNA Extraction
- Western Blotting
- Cell Culture
- Tissue Staining
- Animal Breeding
- Blood Sampling and Injection in the Laboratory and Farm Animal

Language

- Persian
- English
- Turkish
- Germany

Licenses and certifications

- Certified with chromatography analytical methods
- Certified with principles of clean room
- Certified Pharmaceutical GMP Professional (CPGP)
- Board certified

STAT and Software

- Study design
- Data analysis and interpretation skills
- Minitab
- SPSS
- Graphpad prism
- BLAST
- SnapGene
- Oligo7

Key Skills

- Organization
- Leadership
- Communication
- Project Management
- Time management
- Project Planning
- Teamwork
- Conflict resolution
- Technical expertise
- Innovation and creativity
- Problem-solving skills

PATENTS

Veterinary cuffed lavage catheter; Patent No: 87409.
Dec 2015

Extraction of surfactant from bovine lung and production drug from this source for Respiratory disorders; Patent No: 139450140003002563.
April 2015

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GRANT SUPPORT

Evaluation of therapeutic effect of chitosan nanoparticles containing potassium channel inhibitory peptide Kv1.3 (MeuKTX) in morphological changes of articular tissue in Rheumatoid Arthritis model infant rats

June 2024-Now

Evaluation of the inhibitory effects of migration and invasive, anti-angiogenesis activity of chitosan nanoparticles containing potassium channel inhibitory peptide Kv1.3 (MeuKTX) of Mesobuthus eupeus on MCF-7 cell line

July 2024-present

Design and studies of acute toxicity (single dose toxicity) and repeated dose toxicity of Botulinum neurotoxin type A to determine NOAL, LOAEL, and LD50. Funded by: Pasteur Institute of Iran, Tehran, Iran.

Aug 2023- June 2024

Evaluation of the therapeutic effects of the formulated product containing T cells with chimeric anti mesothelin antigen receptor in an animal model of breast cancer. Funded by: Pasteur Institute of Iran, Tehran, Iran.

June 2023- June 2024

Design and evaluation of endotoxin removal affinity cryogel media using covalent immobilization of antimicrobial polypeptide into pores of porous cryogel. Funded by: Pasteur Institute of Iran, Tehran, Iran.

May 2023- June 2024

Investigating the pathogenicity of drug-resistant and sensitive strains of Candida albicans in animal models and evaluating the response to treatment in systemic infection. Funded by: Pasteur Institute of Iran, Tehran, Iran.

May 2023- July 2024

Investigating the Effects of Consumption, the Probiotics containing micronutrient on Immunogenicity of Pastocovac® vaccine in Animal Model. Funded by: Pasteur Institute of Iran, Tehran, Iran.

Jan 2022- Mar 2023

Production of SFTPD as an Antimicrobial Peptides Drug for Auxiliary Treatment of Covid-19. Founded By: Biotechnology Development Council of Iran.

May 2021-May 2022

Evaluation of Immunogenicity Effect of CeNPs Containing TB10.4-Rv2660c Fusion Protein in mice. Funded by: Pasteur Institute of Iran, Tehran, Iran.

16 November 2021

Specific PEGylation of cysteine analogs of interferon α -2b. Funded by: Pasteur Institute of Iran, Tehran, Iran.

17 May 2021

Evaluation of the production condition, physicochemical characterization and cytotoxicity determination of mannan polysaccharide from mycobacterium bovis intended to be used in vaccine formulations as an adjuvant. Funded by: Pasteur Institute of Iran, Tehran, Iran.

22 February 2021

Validation of Monocyte Activation Test kit for detection of pyrogens in recombinant Hepatitis B vaccine and comparison with RPT method and LAL. Funded by: Pasteur Institute of Iran, Tehran, Iran.

7 October 2019 - 20 December 2020

Design, Research, Development and Production of Antimicrobial Peptides drug SFTPD and SFTPA in E. coli in Laboratory Scale. Founded By: Biotechnology Development Council of Iran.

10 September 2018 - 9 September 2020

Optimize inactivation conditions of Rabies Virus in Vet Rabies Vaccine by Evaluating the Effect of Temperature, Time and Concentration of Beta-Propiolactone. Funded by: Pasteur Institute of Iran, Tehran, Iran.

February 2018 - 30 July 2018

Setting up technology of transgenic mouse expressing PCX-EGFP via genetic manipulation of Spermatogonial Stem Cells (SSCs) in vitro. Funded by: Pasteur Institute of Iran, Tehran, Iran.

11 April 2016 - 22 January 2018

Identification, isolation and purification of Annexin A1, 2 and 5 in bronchial alveolar lavage fluid of calves. Funded by: Iran National Science Foundation.

18 January 2016 - 18 January 2018

The concentration of rabies virus (PV Strain) by Tangential Flow Filtration and its effect on potential rabies vaccine produced on cells BHK-21C13. Funded by: Pasteur Institute of Iran, Tehran, Iran.

9 November 2015 - 9 March 2017

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AUTHORED/TRANSLATED BOOKS

Mokhber Dezfouli, Mohamad Reza, and Zohre Eftekhari. "A Review of Methods for Assessing Biological Activities of Antimicrobial Peptides."

Jahad Daneshghahi, 2018(Authored Book)

Mosavinasab SD, Eftekhari Z, Mardani R, Piroozmand A. Antimicrobial Peptides. Kashan University Press.

2018(Authored Book)

Mokhber Dezfouli, Mohamad Reza, Mostafa Ghanei, and Zohre Eftekhari. "Antimicrobial Peptides Role in Human Health and Disease."

Jahad Daneshghahi, 2018(Translated Book)

Zohre Eftekhari, Hooman Kaghazian, Ali Khodaeipor, Arsalan Afrasiabi, Razieh Togholi. "Current laboratory techniques in rabies diagnosis, research and prevention."

2017, Nikkhah Press (Translated Book)

Zohre Eftekhari, Razieh Togholi "Vaccine Technologies for Veterinary Viral Diseases Methods and Protocols."

2017, Nikkhah Press (Translated Book)

Mokhber Dezfouli, Mohamad Reza, Mahmood Bahmani, Zohre Eftekhari, The most common In vivo and In vitro methods in biological and pharmacological research of raw materials and herbs extracts.

2013" University of Tehran Press (Authored Book)

DISSERTATIONS ADVISED

Advising a PhD Dissertation titled "Evaluation of the effect of Pirfenidone and FINO2 consumption in inducing ferroptosis of breast cancer cells in *mus musculus*"

2022-present.

Advising a DVM Dissertation titled "Effect of Newsomal Hesperidin on Polarisation M1-M2 Macrophages in Blood and Inflammatory Cell Secretion in Brain / Liver and Ovarian Tissue by Regulating the Antioxidant Activity of CPF-treated Mice."

2021-present.

Advising a PhD Dissertation titled "Evaluation of the therapeutic role of vitamin D and magnesium in reducing the teratogenic effects of maternal rats exposed to cadmium."

2020-present.

Advising a PhD Dissertation titled "Therapeutic role of vitamin D and Mg in reducing the teratogenic effects of maternal rats exposed to cadmium toxin."

2020-present.

Advising a PhD Dissertation titled "Evaluation of vitamin E, Se and Zn in Experimental *Pasteurella pneumonia*".

2020-present.

Advising a PhD Dissertation titled "Therapeutic role of saponin-containing ferritin Nanoparticles in pulmonary changes induced by pneumococcus in ALI mice."

2020-present.

Advising a PhD Dissertation titled "Therapeutic role of saponin-containing ferritin nanoparticles in pulmonary changes induced by pneumococcus in ALI mice."

2020-present.

Advising a PhD Dissertation titled "Evaluation of antimicrobial effect of Valeriana officinalis Terpenoids cultivated in In-vitro and in-vivo conditions."

2018 to present.

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Advising a PhD Dissertation titled "Study of the Role of Eugenol Therapy Containing Chitosan Nanoparticles in Morphological Changes of Articular Tissue in Rheumatoid Arthritis Model Rats."

2018-2021.

Advising a PhD Dissertation titled "The effect of Chlorpyrifos on the expression of adhesion molecules genes in endometrial cells of pregnant mice during implantation window."

2018- 2021.

Advising a Msc Dissertation titled" Comparison of Pulmonary Surfactant Phospholipids Identification Methods by HPLC, TLC and Colorimetric method."

2018-2020.

Advising a PhD Dissertation titled "Evaluation of methylation changes of apoptotic genes in organogenesis stage in mice after Chlorpyrifos induction."

2018-2021.

Consulting a PhD Dissertation titled "Evaluation of physico chemical characteristic and toxicity of bioemulsifier (manoproteins) extracted from Saccharomyces bullaria and kluyveromyces marxianus."

2018-2021.

Consulting a PhD Dissertation titled "Study of the therapeutic effects of mesancymal stem cells in chronic pulmonary infection of Pseudomonas aeruginosa."

2017 to present.

Consulting a PhD Dissertation titled "Effects of active vitamin D on the expression of antimicrobial peptide gene and cytokine levels in experimental pneumonia of calves."

2017- 2020.

Advising a DVM Dissertation titled "Correlation between cardiac biomarkers concentration electrocardiographic findings during experimental septicemia in calves."

2016-2017.

Advising a Msc Dissertation titled" Optimize Concentration and Purification of Rabies Virus (PV Strain) Used in Vet Rabies Vaccine by Tangential Flow Filtration Method."

2016-2017.

Advising a Msc Dissertation titled" Application of Minitab software on the optimization of Inactivation conditions of Rabies Virus used in Vet Rabies Vaccine by Beta- Propiolactone."

2016-2017.

Consulting a PhD Dissertation titled "Evaluation of the Effect of Sodium Chloride and Sodium Bicarbonate Hypertonic Solution on Blood Parameters and Electro Cardiograms in Experimental Endotoxic Shock in Calves."

2015-2017.

Advising a Msc Dissertation titled "Study of TNF alpha gene expression in peripheral blood mononuclear cells isolated from Rabbits treatment by pulmonary surfactant."

2016.



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PUBLICATIONS

Mohammad Hosseini-Jad-Chafi, Zohre Eftekhari, Akbar Oghalaie, Mahdi Behdani, Nazli Sotoudeh, Fatemeh Kazemi-Lomedasht. **Nanobodies as innovative immune checkpoint modulators: advancing cancer immunotherapy.** Medical Oncology Volume 42, article number 36, (2025).

Zohre Eftekhari, Delaram Doroud, Maryam Tajabadi-Ebrahimi, Fatemeh Kazemi-Lomedasht. **Improving Vaccine Response through Probiotics and Micronutrient Supplementation: Evaluating the Role of TLR5 in Adult Female BALB/c Mice.** Current Pharmaceutical Design. Volume 31, Issue 3, Jan 2025, p. 233 - 242

Akbar Oghalaie, Mahmoud Eshagh Hosseini, Mohammad Hosseini-Jad-Chafi, Zohre Eftekhari, Mahdi Behdani, Fatemeh Kazemi-Lomedasht. **Advances in immunotoxin engineering: precision therapeutic strategies in modern oncology.** Medical Oncology. Volume 41, article number 239, (2024).

Delaram Doroud, Zohre Eftekhari, Mojtaba Daneshi, Parisa Gheibi, Nazanin Jabbari, Maryam Khatami, Marzieh Hosseini. **Development of a Monocyte Activation Test for Evaluating Recombinant Hepatitis B Vaccine: A Novel Approach for Pyrogen Assessment.** Iranian Biomedical Journal. 28(5);2024.

Zohre Eftekhari, Horieh Zohrabi, Akbar Oghalaie, Tahereh Ebrahimi, Fatemeh Sadat Shariati, Mahdi Behdani, Fatemeh Kazemi-Lomedasht. **Advancements and challenges in mRNA and ribonucleoprotein-based therapies: From delivery systems to clinical applications.** Molecular Therapy-Nucleic Acids. Volume 35, Issue 3102313 September 10, 2024

Morteza Izadi, Mehdi Jafari-Oori, Zohre Eftekhari, Nematollah J Jafari, Mohamad Kazem-Emami Maybodi, Soleyman Heydari, Amir Vahedian-Azimi, Stephen L Atkin, Tannaz Jamialahmadi, Amirhossein Sahebkar. **Effect of ozone therapy on diabetes-related foot ulcer outcomes: A systematic review and meta-analysis.** Current Pharmaceutical Design. 2024; 30(27).

Paria Amanpour, Zohre Eftekhari, Akram Eidi, Parvin Khodarahmi. **Ameliorative mechanism of dietary vitamin d and magnesium on newborn's pulmonary toxicity induced by cadmium.** J Trace Elem Med Biol. 2024 Jul;84:127469. doi: 10.1016/j.jtemb.2024.127469. Epub 2024 May 10.

Mahsa Sharifnia, Zohre Eftekhari, Pejman Mortazavi. **Niosomal hesperidin attenuates the M1/M2-macrophage polarization-based hepatotoxicity followed chlorpyrifos-induced toxicities in mice.** Pesticide biochemistry and physiology. 2024 Jan;198:105724. doi: 10.1016/j.pestbp.2023.105724. Epub 2023 Dec 7.
Parisa Gheibi, Nazanin Jabbari, Nazanin Kafi Alghari, Sabina Mah Nesaei, Ramin Farhoudi, Zohre Eftekhari. **Electrospun PVA Nanofibers Loaded with Antimicrobial Herbal Extracts for Healing the Infectious Wound.** Jundishapur Journal of Natural Pharmaceutical Products. 2023. In press.

Marzieh Mokhber Dezfouli, Zohre Eftekhari, Sirous Sadeghian Chaleshtori. **The Effect of Age and Gender on Natural Calves Lung Surfactant Function as a Valuable Therapeutic Agent for Respiratory Distress Syndrome.** Iranian Journal of Veterinary Medicine. 2023.

Mojtaba Daneshi, Joel S Caton, Luciano S Caixeta, Zohre Eftekhari, Alison K Ward. **Expression, Regulation, and Function of β -Defensins in the Bovine Mammary Glands: Current Knowledge and Future Perspectives.** Animals 2023, 13(21), 3372.

Saba Safdarpour, Zohre Eftekhari, Akram Eidi, Delaram Doroud. **Effect of Saponin Encapsulated by Ferritin Nanoparticles on Fetal Lung Development in Female Mice with Streptococcus pneumonia.** Journal of Veterinary Research. 78(3):2023; 197-212.

Ashraf Hajhosseini, Anousheh Sharifan, Zohre Eftekhari, Ariana Alavi, Delaram Doroud. **Optimal Extraction and Deproteinization Method for Mannoprotein Purification from Kluyveromyces marxianus.** Iranian biomedical journal. 27(5); 2023; 320.

Zinat Mohammadi, Zohre Eftekhari, Giti Barzin, Laleh Babaeekhou. **Evaluation of the Antimicrobial and Cytotoxic Activity of Cultivated Valeriana officinalis.** PLANT SCIENCE TODAY, 2023, In press.

Zohre Eftekhari, Seyed Dawood Mousavi Nasab, et al., **Animal Pre-Clinical Study of an Inactivated SARS-CoV-2 Vaccine candidate (Osvid-19 @): Immunogenicity, Protective, and Safety Aspects.** Journal of Population Therapeutics and Clinical Pharmacology, 30(9), 111-130.

Zinat Mohammadi, Leila Pishkar, Zohre Eftekhari, Giti Barzin, Laleh Babaeekhou. **The Human Host Defense Peptide LL-37 Overexpressed in Lung Cell Lines by Methanolic Extract of Valeriana officinalis.** Brazilian Journal of Pharmaceutical Sciences. 2023;59: e21025.

Kardan N, Eftekhari Z, Ozmaie S, Hoseinzadeh HU. **The effects of vitamin D on Immunoresponsive gene 1 and Krüppel-like Factor 2 protein expression in the lung due to the cadmium poisoning.** Advancements in Life Sciences. 2023 Jan 21;9(4):526-33.

Parisa Gheibi, Zohre Eftekhari*, Delaram Doroud, Kazem Parivar. **The association between uterine toxicity induced by Chlorpyrifos and downregulation of heparin-binding epidermal growth factor and L-selectin genes.** Veterinary Research Forum, 2023, 14(1); 45-52.

Babak Baharvand Ahmadi; Fatemeh Khajoei Nejad; Sepideh Papi; Zohreh Eftekhari. **Phytotherapy for heart tonic: An ethnobotanical study in Dehloran City, Ilam Province, Western Iran.** Caspian journal of environmental sciences. Available Online from 31 January 2023

Nastaran Vahabi Barzi, Zohre Eftekhari*, Delaram Doroud & Akram Eidi. **Maternal exposure during organogenesis to chlorpyrifos insecticide induce apoptosis process.** The Journal of Maternal-Fetal & Neonatal Medicine, Volume 35, 2022 - Issue 20.

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Heru Widoyo; Zahraa Yassen Mohammed; Andrés Alexis Ramírez-Coronel; Acim Heri Iswanto; Usman Thattarauthodiyil; Ameer S. Alkhayyat; Mohammad Karimi; Mahmoud Bahmani; Zohre Eftekhari. **Herbal therapy in Covid-19: A systematic review of medicinal plants effective against Covid-19.** Caspian journal of environmental sciences. Available Online from 29 December 2022.

N. Jabbari, Z. Eftekhari, N. Hayati Roodbari, K. Parivar. Evaluation of the antioxidant activity of Nano-Eugenol arthritis rheumatoid in the animal model. Journal of Comparative Pathobiology. Volume 18, Issue 3 - Serial Number 74; 2021 . 3605-3616.

Parisa Asgharpour, Zohre Eftekhari, Gholam Reza Nikbakht Borojeni Mohammad Reza Mokhber Dezfouli, Mohammad Goli Nadealian. **Effect of vitamin D3 on the expression of antimicrobial peptide gene in experimental pneumonia in calf.** Veterinary Clinical Pathology, Vol.15, No.59, Autumn 2021.

Elham Sharif, Zohre Eftekhari, Elham Mohit. **The Effect of Growth Stage and Isolation Method on Properties of ClearColi™ Outer Membrane Vesicles (OMVs).** Current Microbiology, 2021.

Ehsan Mostafavi, Zohre Eftekhari*, Nazanin Jabbari, Parisa Gheibi. **Transmission of COVID-19 between Animals and Humans: A challenge for the Scientists.** Journal of Medical Microbiology and Infectious Diseases. 2021; 9 (1): 4 pp.

Parisa Gheibi , Zohre Eftekhari* , Delaram Doroud , Kazem Parivar. **Chlorpyrifos effects on integrin alpha v and beta 3 in implantation window phase.** Environmental Science and Pollution Research (2020) 27:29530–29538.

Nazanin Jabbari, Zohre Eftekhari*, Nasim Hayati Roodbari, Kazem Parivar. **Evaluation of Encapsulated Eugenol by Chitosan Nanoparticles on the aggressive model of rheumatoid arthritis.** International Immunopharmacology 85 (2020) 106554.

Nastaran Vahabi Barzi, Zohre Eftekhari*, Delaram Doroud, Akram Eidi. **DNA methylation changes of apoptotic genes in organogenesis stage of mice embryos by maternal chlorpyrifos induction.** Environmental Toxicology. 2020;35;794-803.

M Bahmani, K Saki, M Rafieian-Kopaei, S A Karamati, Z Eftekhari, M Jelodari. **The most common** Parisa Asgharpour, Mohammad Reza Mokhber Dezfouli, Mohammad Goli Nadealian, Zohre Eftekhari, Gholam Reza Nikbakht Borojeni. **Effects of 1, 25-dihydroxy vitamin D3 on clinical symptoms, proinflammatory and inflammatory cytokines in calves with experimental Pneumonia.** Research in Veterinary Science 132 (2020) 186–193.

Ashraf Hajhosseini, Delaram Doroud, Anoosheh Sharifan, Zohreh Eftekhari. **Optimizing growth conditions of kluyveromyces marxianus for mannan production as a bioemulsifier.** Applied Food Biotechnology.2020; 7(2).

Zohre Eftekhari*. **Antimicrobial properties of medicinal plants; the new therapeutic aspect of Valeriana officinalis.** Plant Biotechnology Persa. 2020; 2(1).

Naser Abbasi, Zahra Khalighi , Zohre Eftekhari , Mahmoud Bahmani. **Extraction and Phytoanalysis of Chemical Compounds of Eucalyptus globulus Leaf Native to Dehloran, Ilam Province, Iran by HS-SPME and GC-MS.** Advances in Animal and Veterinary Sciences. 2020; 8(6).

Zohre Eftekhari*. **Antimicrobial properties of medicinal plants; the new therapeutic aspect of Valeriana officinalis.** Plant Biotechnology Persa. 2020; 2(1).

Naser Abbasi, Zahra Khalighi, Zohre Eftekhari , Mahmoud Bahmani. **Extraction and Phytoanalysis of Chemical Compounds of Eucalyptus globulus Leaf Native to Dehloran, Ilam Province, Iran by HS-SPME and GC-MS.** Advances in Animal and Veterinary Sciences. 2020; 8(6).

Sepideh Yamini, Zohre Eftekhari *, Mohammad Reza Mokhber Dezfouli, Babak Beikzadeh, Parvane Mehrbod. **Exogenous Lung Surfactant Decreases Interleukin-8 Production and Increases Leukocytes Population and Total Immunoglobulins in Rabbits.** Medical laboratory journal. 2019; 13(6).

Zohre Eftekhari* , Mohammad Reza Mokhber Dezfouli, Babak Beikzadeh. **Minced Calf Lung Surfactant Extract Peripheral Blood Mononuclear Cells to Release IFN-γ and TGF-β: A Regulation Response for Lung.** Iranian journal of veterinary medicine. 2019; 13(4).

Nazanin Jabbari, Parisa Gheibi , Zohre Eftekhari*. **The therapeutic effects of isolated Eugenol of Syzygium aromaticum.** Plant Biotechnology Persa. 2019; 1(1).

Marzieh Mokhber , Seyed Ali Keshavarz , Farzad Shidfar , Zahra Nazem Bokaei , Zohre Eftekhari , Abbas Hadjiakhoondi. **Effect of Roasting Process on Sesamin and Sesamol Contents of Sesame (Sesamum indicum L.) from Different Parts of Iran.** Research journal of pharmacognosy. 2019; 6(4).

Mahmoud Bahmani, Zohreh Eftekhari, Mahyar Jelodari, Kourosh Saki, Reza Abdollahi, Maedeh Majlesi, Mahmoud Rafieian-Kopaei and Shahrar Rasouli. **Effect of Iranian herbal medicines in Dysmenorrhea phytotherapy.** Journal of Chemical and Pharmaceutical Research, 2015, 7(2):519-526.

Mahmoud Bahmani, Kourosh Saki, Behrouz Ezatpour, Somayeh Shahsavari, Zohreh Eftekhari, Mahyar Jelodari, Mahmoud Rafieian-Kopaei, Reza Sepahvand. **Leishmaniosis phytotherapy: Review of plants used in Iranian traditional medicine on leishmaniasis.** Asian Pacific Journal of Tropical Biomedicine. 5(9);2015; 695-701.

Mahmoud Bahmani, Zohreh Eftekhari, Kourosh Saki, Ezatollah Fazeli-Moghadam, Mahyar Jelodari, and Mahmoud Rafieian-Kopaei. **Obesity Phytotherapy: Review of Native Herbs Used in Traditional Medicine for Obesity.** Journal of Evidence-Based Complementary & Alternative Medicine. 2016 Jul;21(3):228-34.

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M Bahmani , Z Eftekhari , A Mohsenzadeghan, A Ghotbian, N Alighazi. **Leech (Limnatisnilotica) causing respiratory distress in a pregnant cow in Ilam province in Iran.** Comp Clin Pathol J. 2012, 21(4): 501-504.

M Bahmani, M Rafieian-Kopaei, M Avijgan, Shosseini, H Golshahi, Zeffekhari and G Haji Gholizadeh. **Ethnobotanical Studies of Medicinal Plants Used by Kurdish Owner's in South Range of Ilam Province, West of Iran.** American-Eurasian J. Agric. & Environ. Sci. 2012; 12(9): 1128-1133.

M Bahmani, M Rafieian-Kopaei, Z Eftekhari , G Haji Gholizadeh , et. **Evaluating the Anti- Leech Effects of Methanolic Extracts of Peganumharmala L. And Olea europaea L. on Limnatisnilotica.** Worlds Vet J. 2013; 3(2). 33-37.

M Bahmani, M Rafieian-Kopaei, M Jeloudari, Z Eftekhari, B Delfan, A Zargar, S Forouzan. **A review of the health effects and uses of drugs of plant licorice (GlycyrrhizaglabraL.) in Iran.** Asian Pac J Trop Dis 2014; 4(2): S847-S849

B Delfan1, M Bahmani, Z Eftekhari, M Jelodari, K Saki, T Mohammadi. **Effective herbs on the wound and skin disorders: An ethnobotanical study in Lorestan province, west of Iran.** Asian Pac J Trop Dis. 2014; 4(2): 938-942.

Mokhber M.R., Eftekhari, Z*, Heidari Sureshjani, M., Dehghan, M.M., Dousti, M. **The hydrophilic proteins of lung surfactant as a prognostic marker in experimental pneumonia.** Iran J Vet Med., Vol 11, No 1 (Spring 2017)

M R Mokhber Dezfouli; Z Eftekhari; M Heidari Sureshjani; M Dehghan. **Annexin A1, A2 and Cytokine Levels During Experimental Sepsis in Calves.** Iranian Journal of Veterinary Science and Technology Vol 9, No 1 (Spring 2017)

B Beikzadeh, G Nikbakht Brujeni , Z Eftekhari, A Erfanmanesh. **The isolating Escherichia coli secretory outer membrane vesicles by using tangential-trans flow filtration.** Razi Journal of Medical sciences. 2017; 24(157), 8-14.

Eftekhari Z*, Mehrbod P, Vaez J, Hosseini SM, Jodairi Eslami S. **Evaluation of the effects of concentration, duration and temperature of incubation with Beta-Propiolactone on inactivation of cell-derived rabies virus.** Vaccine Research Journal. 2016; 3(7):26-32.

Babak Baharvand-Ahmadi, Mahmoud Bahmani, Zohreh Eftekhari, Mahyar Jelodari, Mahmoud Mirhoseini. **Overview of medicinal plants used for cardiovascular system disorders and diseases in ethnobotany of different areas in Iran.** Journal of Herbmmed Pharmacology (J Herbmmed Pharmacol). 2016;5(1):39-44.

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Tehran, Pasteur Institute
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CONGRESS ATTENDED

Evaluation of Saponin encapsulated by ferritin nanoparticle on pulmonary changes induced by *S.pneumonia* in pregnant NMRI mice.

22nd International Congress of Iranian Society for Reproductive Medicine. 2022 Shiraz, Iran.

Saponin-ferritin nanoparticle effects on uterine changes in female NMRI Mice.

22nd International Congress of Iranian Society for Reproductive Medicine. 2022 Shiraz, Iran.

Evaluation of CPF insecticide on the organogenesis stage in *Mus musculus*.

4th International Congress on BioMedicine. 2020, Tehran, Iran.

Endometrial expression of avb3 Integrins could be affected by CPF.

4th International Congress on BioMedicine. 2020, Tehran, Iran.

Assessment of encapsulated eugenol by chitosan nanoparticle on RA model.

4th International Congress on BioMedicine. 2020, Tehran, Iran.

In vivo and In vitro Evaluation of Calf Lung Surfactant Extract on Pro-Inflammatory and Anti-Inflammatory Cytokine Changes (Oral presentation)

ISIA, 14th International Congress of Immunology and Allergy (ICIA2018). Tehran, Iran.

In-Vitro Evaluation of Extracted Lung Surfactant on Gene Expression Profile of MCP-1.

The Second International and 10th National Biotechnology Congress. 2017, Tehran, Iran.

In Vivo Evaluation of Exogenous Lung Surfactant on TNF-alpha Gene Expression and Serum IgG Content.

The Second International and 10th National Biotechnology Congress. 2017, Tehran, Iran.

Effect of Temperature and Concentration of Beta-Propiolactone on Inactivation of Cell Derived Rabies Virus.

The 17th International and Iranian Congress of Microbiology. 2016, Tehran, Iran.

Measurement of Dipalmitoylphosphatidylcholine (DPPC) Concentration in Bronchoalveolar Lavaged Fluids by HPLC in experimental pneumonia.

The 17th International and Iranian Congress of Microbiology. 2016, Tehran, Iran.

The concentration and purification of rabies virus (PV Strain) by Tangential Flow Filtration and its effect on vaccine potency. *The 18th International and Iranian Congress of Microbiology. 2016, Tehran, Iran.*

Evaluation of cardiac troponin I concentration during experimental septicemia in calves.

The 16th International and Iranian Congress of Microbiology. 2015, Tehran, Iran.

Evaluation of BALF and Serum level Annexin 1 in experimental pneumonia in calves with *Pasteurella multocida*. *The 16th International and Iranian Congress of Microbiology. Tehran, Iran. 2015*

AWARDS

Top Juvenile Researcher in Pasteur Institute of Iran. Dec 2018

First rank at the University of Tehran in the section on the publication of international articles. Jun 2013