



Curriculum Vitae (CV)

Personal Description

نام: ایرج نام خانوادگی: پاکزاد متولد: ۱۳۵۰/۱۲/۷ محل تولد: سرابله- استان ایلام

درجه علمی: استاد متاهل دارای دو فرزند مدرک تحصیلی: دکتری تخصصی میکروب شناسی پزشکی

ادرس: گروه میکروب شناسی-دانشکده پزشکی – دانشگاه علوم پزشکی ایلام

H-index: 23 in Scopus metric
metric

H-index: 33 in google scholar

فعالیت‌های اجرایی:

- ۱- مدیر گروه علوم آزمایشگاهی از سال ۸۳ تا ۸۹
- ۲- جانشین معاون آموزشی از سال ۸۴ تا سال ۹۳
- ۳- مدیر آموزشی و تحصیلات تکمیلی دانشگاه بمدت ۸ سال از سال ۸۵ تا ۱۳۹۳
- ۴- مدیر توسعه پژوهش و ارزیابی تحقیقات دانشگاه بمدت یک سال از ۹۳ تا ۹۴
- ۵- جانشین معاون پژوهشی بمدت یکسال ۹۳ تا ۹۴
- ۶- مدیر گروه میکروب شناسی از ابتدای ۹۴ تا ۹۷
- ۷- معاون توسعه مدیریت و منابع دانشگاه بمدت ۲ سال از ۹۷ تا ۹۸
- ۸- نماینده وزیر در شورای نظارت بر تشکلهای اسلامی دانشجویی
- ۹- عضو شورای آموزشی دانشگاه
- ۱۰- عضو شورای پژوهشی دانشگاه
- ۱۱- عضو شورای فرهنگی دانشگاه
- ۱۲- عضو کمیته اجرایی جذب هیات علمی دانشگاه
- ۱۳- عضو کمیته مالی پژوهش
- ۱۴- عضو کمیته سل معاونت بهداشتی
- ۱۵- دبیر اجرای هفتمین کنگره میکروب شناسی ایران
- ۱۶- مسول برگزاری از مونهای دستپاری و کارشناسی ارشد از سال ۸۵ تا ۹۳
- ۱۷- رئیس مرکز تحقیقات میکروب شناسی بالینی از سال ۹۲-۹۳
- ۱۸- معاون مرکز تحقیقات بالینی میکروب شناسی از ۹۳ تا ۹۸



First Name: Iraj **Surname:** Pakzad

Sex: Male

Birth date: 2/26/1972

Academic degree: professor

Marital S: Married-2 girl

Place of Birth: Sarableh, ILam, Iran.

Nationality: Iranian

E-mail Address: pakzad_i2006@yahoo.com, pakzadi2006@gmail.com

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Address: Department of Microbiology, Faculty of Medicine, Ilam University of Medical Sciences, Ilam, Iran

H-index: ۳ in Scopus metric
scholar metric

H-index: ۳ in google

Educational Background

B.Sc. (Microbiology, 1995), Isfahan University, Iran.

M.Sc. (Medical Mycology, 1998), Tarbit modarres university, Tehran. Iran

Title of MSc thesis: study of nitric oxide production in mouse macrophages and human monocytes following contact with *Candida albican*

PhD: Medical Bacteriology (2004), Tarbit modarres university, Tehran, Iran.

Title of PhD thesis:Evaluation of immune response against combination of recombinant L7/L12- human serum albumin fusion protein with detoxified LPS of *brucella abortus* in animal model

Current University Position:

Member of Faculty in Ilam University of Medical Sciences, and manager of department of Medical Microbiology in Ilam University of Medical Sciences.

Responsibilities

1 Deputy Director of Management Development and Resources, 2018- 2020

Head of Microbiology Department in Ilam University of Medical Sciences (since 2003 to 2007).

2 Member of educational committee in Ilam University of Medical Sciences (since 2005 to now).

3 Member of Research committee in Ilam University of Medical Sciences (since 2005 to now).

4 Member of Research committee in school of medicine, Ilam University of Medical Sciences (since 2004 to now).

5- Member of Research committee in faculty of paramedicine, Ilam University of Medical Sciences (since 2004 to now).

6- Member of educational committee in school of Medicine, Ilam University of Medical Sciences (since 2004 to now).

7- Member of educational committee in faculty of Nursing and Midwifery, Ilam University of Medical Sciences (since 2004 to now).

8- Member of educational committee in faculty of Paramedicine, Ilam University of Medical Sciences (since 2004 to now).

9- Member of educational committee in faculty of Health, Ilam University of Medical Sciences (since 2004 to now).

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Honors and Awards:

- 1) A Commendation letter from president of Faculty of medical sciences, TarbiatModarres University, Tehran as saliency student, 1998.
- 2) A award from INTERNATIONAL SOCIETY OF CHEMOTHERAPY (INFECTION and CANCER) asTom Bergan Memorial Award ,ECCMID-ISC, MUNICH,Germany, 2007

Research Interest:

- 1) gene cloning and protein expression
- 2) Molecular detection of Pathogenic agents

Membership of Association:

- 1-Member of Iranian Society of Microbiology
- 2- Member of Iranian Society of clinical laboratory

Teaching Experiences:

- 1)Teaching General AND Medical Microbiology to BS,Students.
- 2) Teaching *General and special Microbiology* to M.Sc. Students.
- 3)Teaching Clinical Microbiology to Medical Students.
- 4) Teaching *special Microbiology* toPh.D Students

ARTICLES:

PUBMED

1-Proteomics Exploration of *Brucella melitensis* to Design an Innovative Multi-Epitope mRNA Vaccine.

Asadinezhad M, **Pakzad I**, Asadollahi P, Ghafourian S, Kalani BS. *Bioinform Biol Insights*. 2024 Aug 30;18:11779322241272404. doi: 10.1177/11779322241272404. eCollection 2024. PMID: 39220468 **Free PMC article.**

2- Development of innovative multi-epitope mRNA vaccine against *Pseudomonas aeruginosa* using in silico approaches.

Asadinezhad M, Khoshnood S, Asadollahi P, Ghafourian S, Sadeghifard N, **Pakzad I**, Zeinivand Y, Omidi N, Hematian A, Kalani BS. *Brief Bioinform*. 2023 Nov 22;25(1):bbad502. doi: 10.1093/bib/bbad502. PMID: 38189537 **Free PMC article.**

3-In vitro anti-biofilm properties of the peel of fruit wall of acorn against *Streptococcus mutans*.

Chavak Z, Mahdian N, **Pakzad I**, Soltani MR, Badakhsh B, Ghafourian S. *GMS Hyg Infect Control*. 2023 Sep 27;18:Doc23. doi: 10.3205/dgkh000449. eCollection 2023. PMID: 37829251 **Free PMC article.**

4-

Inhibitory Effects of Carvacrol on Biofilm Formation in Colistin Heteroresistant *Acinetobacter baumannii* Clinical Isolates.

Pakzad I, Yarkarami F, Kalani BS, Shafieian M, Hematian A. *Curr Drug Discov Technol*. 2024;21(1):e280923221542. doi: 10.2174/0115701638253395230919112548. PMID: 37779401

5-Microbiological and drug resistance patterns of bronchoalveolar lavage samples taken from hospitalized patients in Iran.

Tahmasebi Z, Asadollahi P, Sadeghifard N, Ghafourian S, Kalani BS, Kalaei EGP, **Pakzad I**. *Germs*. 2022 Sep 30;12(3):333-343. doi: 10.18683/germs.2022.1337. eCollection 2022 Sep. PMID: 37680681 **Free PMC article.**

6-abkBA toxin-antitoxin system may act as antipersister modules in *Acinetobacter baumannii* clinical isolates.

Latifi F, Hashemi A, Kalani BS, **Pakzad I**, Hematian A. *Future Microbiol*. 2023 Jul;18:707-714. doi: 10.2217/fmb-2022-0271. Epub 2023 Aug 8. PMID: 37552216

7-

Effect of alcohol consumption on breast cancer: probabilistic bias analysis for adjustment of exposure misclassification bias and confounders.

Pakzad R, Nedjat S, Salehiniya H, Mansournia N, Etminan M, Nazemipour M, **Pakzad I**, Mansournia MA. *BMC Med Res Methodol*. 2023 Jul 4;23(1):157. doi: 10.1186/s12874-023-01978-6. PMID: 37403100 **Free PMC article.**

8-High prevalence of mental disorders: a population-based cross-sectional study in the city of Ilam, Iran.

Kakaei H, Maleki F, Biderafsh A, Valizadeh R, Mansournia MA, **Pakzad I**, Pakzad R. *Front Psychiatry*. 2023 Jun 13;14:1166692. doi: 10.3389/fpsy.2023.1166692. eCollection 2023. PMID: 37383610 **Free PMC article.**

9-Worldwide Prevalence of Colistin Resistance among Enterobacteriaceae: a Systematic Review and Meta-Analysis.

Latifi F, Pakzad R, Asadollahi P, Hematian A, **Pakzad I**. *Clin Lab*. 2023 Apr 1;69(4). doi: 10.7754/Clin.Lab.2022.220646. PMID: 37057940 Review.

10-Prevalence, diagnosis, and manifestations of brucellosis: A systematic review and meta-analysis.

Khoshnood S, Pakzad R, Koupaei M, Shirani M, Araghi A, Irani GM, Moradi M, **Pakzad I**, Sadeghifard N, Heidary M. *Front Vet Sci*. 2022 Dec 22;9:976215. doi: 10.3389/fvets.2022.976215. eCollection 2022. PMID: 36619963 **Free PMC article.**

11-Docosahexaenoic acid-loaded chitosan/alginate membrane reduces biofilm formation by *P. aeruginosa* and promotes MSC-mediated burn wound healing.

- Ghaneialvar H, Kayumov A, Aboualigalehdari E, **Pakzad I**, Tanideh N, Abbasi N, Haddadi MH. *J Biomater Appl.* 2023 Mar;37(8):1458-1469. doi: 10.1177/08853282221131130. Epub 2022 Oct 3. PMID: 36189675
- 12-Molecular Epidemiology and Recycling of *Staphylococcus aureus* Resistant to Methicillin Among the Staff, Patients, and Surfaces in University Hospital in West Iran, Ilam.
- Ghanbari F, Nourmoradi H, Nazari A, Sadeghifard N, **Pakzad I**, Soroush S, Ashrafi B, Taherikalani M. *Infect Disord Drug Targets.* 2023;23(1):e280922209259. doi: 10.2174/1871526522666220928145550. PMID: 36173060
- 13-Prevalence of Pediculosis Among Primary School-Aged Students in Iran: an Updated Comprehensive Systematic Review and Meta-Analysis.
- Akbari M, Sheikhi S, Rafinejad J, Akbari MR, **Pakzad I**, Abdi F, Pakzad R, Aivazi AA. *J Med Entomol.* 2022 Nov 16;59(6):1861-1879. doi: 10.1093/jme/tjac117. PMID: 36166587
- 14-COVID-19 Mass Vaccination and Flu Season: Concern for Decreased Public Health Measures and Worsening the Influenza Situation.
- Kenarkoohi A, Mohamadi J, **Pakzad I**, Sayyadi H, Falahi S. *Infect Disord Drug Targets.* 2023;23(1):e030922208520. doi: 10.2174/1871526522666220903145208. PMID: 36056829
- 15-In Vitro and In Silico Investigation of some Type II TA Genes in *H. Pylori*.
- Hoseini S, Kalani BS, Ghafourian S, Maleki A, Asadollahi P, Badakhsh B, **Pakzad I**. *Clin Lab.* 2022 Aug 1;68(8). doi: 10.7754/Clin.Lab.2021.211002. PMID: 35975492
- 16-In silico Study of the Proteins Involved in the Persistence of *Brucella* spp.
- Asadollahi P, Sadeghifard N, Kazemian H, **Pakzad I**, Kalani BS. *Curr Drug Discov Technol.* 2023;20(1):e050822207324. doi: 10.2174/1570163819666220805161821. PMID: 35929636
- 17-Inhibitory Effects of Carvacrol on Biofilm Formation and Expression of Biofilm Related Genes in Clinical Isolates of *Enterococcus faecalis*.
- Yarkarami F, Kazemian H, Sadeghifard N, Pakzad R, Jalilian FA, Asadollahi P, Hematian A, **Pakzad I**. *Clin Lab.* 2022 Jun 1;68(6). doi: 10.7754/Clin.Lab.2021.210853. PMID: 35704732
- 18-The prevalence of gonococcal and non-gonococcal infections in women referred to obstetrics and gynecology clinics.
- Kazemian H, Zarandi MK, Zargoush Z, Ghafourian S, Sadeghifard N, Jalilian A, Shafieian M, **Pakzad I**. *Infez Med.* 2022 Jun 1;30(2):247-253. doi: 10.53854/liim-3002-10. eCollection 2022. PMID: 35693060 **Free PMC article.**
- 19-Effect of Chlorhexidine (CHX) and Hydrogen Peroxide (H₂O₂) on the Biofilm Formation of *Enterococcus faecalis*.
- Bayatipour Z, Sadeghifard N, Ghafourian S, Kalani BS, Asadollahi P, Azizi-Jalilian F, **Pakzad I**. *Clin Lab.* 2022 Apr 1;68(4). doi: 10.7754/Clin.Lab.2021.210458. PMID: 35443583
- 20-COVID-19 Vaccination, Peltzman Effect and Possible Increase in Highrisk Behaviors: A Growing Concern Related to Risk Compensation and Reduced Compliance to Public Health Protective Measures after Vaccines Rollout.
- Falahi S, Mohamadi J, Sayyadi H, **Pakzad I**, Rashidi A, Naserifar R, Abdi J, Kenarkoohi A. *Infect Disord Drug Targets.* 2022;22(8):8-12. doi: 10.2174/1871526522666220419133849. PMID: 3544033
- 21-Worldwide prevalence of fungal coinfections among COVID-19 patients: a comprehensive systematic review and meta-analysis.
- Soltani S, Zandi M, Faramarzi S, Shahbahrami R, Vali M, Rezayat SA, Pakzad R, Malekifar P, **Pakzad I**, Jahandoost N, Moludi J. *Osong Public Health Res Perspect.* 2022 Feb;13(1):15-23. doi: 10.24171/j.phrp.2021.0293. Epub 2022 Feb 8. PMID: 35255675 **Free PMC article.**
- 22-In silico Investigation of Lon Protease as a Promising Therapeutic Target.
- Asadollahi P, **Pakzad I**, Ghafourian S, Kazemian H, Fatahi R, Sadeghifard N, Kalani BS. *Drug Res (Stuttg).* 2022 Apr;72(4):180-188. doi: 10.1055/a-1713-3137. Epub 2022 Jan 18. PMID: 35042266 **Free article.**
- 23-Pooled Prevalence Estimate of Ocular Manifestations in COVID-19 Patients: A Systematic Review and Meta-Analysis.
- Soltani S, Zandi M, Ahmadi SE, Zarandi B, Hosseini Z, Akhavan Rezayat S, Abyadeh M, **Pakzad I**, Malekifar P, Pakzad R, Mozhgani SH. *Iran J Med Sci.* 2022 Jan;47(1):2-14. doi: 10.30476/ijms.2021.89475.2026. PMID: 35017772 **Free PMC article.**
- 24-Effect of gestational diabetes mellitus on lipid profile: A systematic review and meta-analysis.

- Rahnemaei FA, Pakzad R, Amirian A, **Pakzad I**, Abdi F. *Open Med (Wars)*. 2021 Dec 15;17(1):70-86. doi: 10.1515/med-2021-0408. eCollection 2022. PMID: 34993347 **Free PMC article**.
- 25-Worldwide prevalence of microbial agents' coinfection among COVID-19 patients: A comprehensive updated systematic review and meta-analysis.
- Pakzad R, Malekifar P, Shateri Z, Zandi M, Akhavan Rezayat S, Soleymani M, Karimi MR, Ahmadi SE, Shahbahrami R, **Pakzad I**, Abdi F, Farahani A, Soltani S, Kesheh MM, Hosseini P. *J Clin Lab Anal*. 2022 Jan;36(1):e24151. doi: 10.1002/jcla.24151. Epub 2021 Dec 1. PMID: 34851526 **Free PMC article**.
- 26-Survey on phenotypic resistance in *Enterococcus faecalis*: comparison between the expression of biofilm-associated genes in *Enterococcus faecalis* persister and non-persister cells.
- Kaviar VH, Khoshnood S, Asadollahi P, Kalani BS, Maleki A, Yarahmadi S, **Pakzad I**. *Mol Biol Rep*. 2022 Feb;49(2):971-979. doi: 10.1007/s11033-021-06915-8. Epub 2021 Nov 9. PMID: 34751916
- 27-Viral Coinfection among COVID-19 Patient Groups: An Update Systematic Review and Meta-Analysis.
- Malekifar P, Pakzad R, Shahbahrami R, Zandi M, Jafarpour A, Rezayat SA, Akbarpour S, Shabestari AN, **Pakzad I**, Hesari E, Farahani A, Soltani S. *Biomed Res Int*. 2021 Sep 3;2021:5313832. doi: 10.1155/2021/5313832. eCollection 2021. PMID: 34485513 **Free PMC article**.
- 28-Environmental Surface Contamination with SARS-CoV-2: Toilets as the Most Contaminated Surfaces in COVID-19 Referral Hospital.
- Falahi S, Bastani E, **Pakzad I**, Rashidi A, Abdoli A, Kenarkoohi A. *Hosp Top*. 2023 Apr-Jun;101(2):65-72. doi: 10.1080/00185868.2021.1969870. Epub 2021 Aug 27. PMID: 34445942
- 29-Pathogenic bacteria in cheese, raw and pasteurised milk.
- Bastam MM, Jalili M, **Pakzad I**, Maleki A, Ghafourian S. *Vet Med Sci*. 2021 Nov;7(6):2445-2449. doi: 10.1002/vms3.604. Epub 2021 Aug 14. PMID: 34390532 **Free PMC article**.
- 30-Bacterial coinfection among coronavirus disease 2019 patient groups: an updated systematic review and meta-analysis.
- Soltani S, Faramarzi S, Zandi M, Shahbahrami R, Jafarpour A, Akhavan Rezayat S, **Pakzad I**, Abdi F, Malekifar P, Pakzad R. *New Microbes New Infect*. 2021 Sep;43:100910. doi: 10.1016/j.nmni.2021.100910. Epub 2021 Jul 1. PMID: 34226847 **Free PMC article**.
- 31-Simultaneous Molecular Detection of Common Bacterial Enteropathogens in Children with Diarrhea by Multiplex-PCR Assay.
- Amanpour Z, Kouhsari E, **Pakzad I**, Kenarkoohi A, Sadeghifard N. *Clin Lab*. 2021 Jun 1;67(6). doi: 10.7754/Clin.Lab.2020.201046. PMID: 34107632
- 32-Comparison of toxin-antitoxin expression among drug-susceptible and drug-resistant clinical isolates of *Mycobacterium tuberculosis*.
- Kazemian H, Heidari H, Kardan-Yamchi J, Ghafourian S, **Pakzad I**, Kouhsari E, Valadbeigi H, Sadeghifard N. *Adv Respir Med*. 2021;89(2):110-114. doi: 10.5603/ARM.a2021.0033. PMID: 33966258 **Free article**.
- 33- COVID-19 associated central nervous system manifestations, mental and neurological symptoms: a systematic review and meta-analysis.
- Soltani S, Tabibzadeh A, Zakeri A, Zakeri AM, Latifi T, Shabani M, Pouremamali A, Erfani Y, **Pakzad I**, Malekifar P, Valizadeh R, Zandi M, Pakzad R. *Rev Neurosci*. 2021 Jan 13;32(3):351-361. doi: 10.1515/revneuro-2020-0108. Print 2021 Apr 27. PMID: 33618441 **Free article**.
- 34- Sub-minimum inhibitory concentrations of biocides induced biofilm formation in *Pseudomonas aeruginosa*.
- Hemati S, Kouhsari E, Sadeghifard N, Maleki A, Omid N, Mahdavi Z, **Pakzad I**. *New Microbes New Infect*. 2020 Oct 19;38:100794. doi: 10.1016/j.nmni.2020.100794. eCollection 2020 Nov. PMID: 33240514 **Free PMC article**.
- 35 -Multiple-Locus Variable-Number Tandem-Repeat Analysis Genotyping of *Brucella* Isolates from Iran.
- Moradkasani S, Jazi FM, Sadeghifard N, Kouhsari E, Kalani BS, **Pakzad I**. *Clin Lab*. 2020 Oct 1;66(10). doi: 10.7754/Clin.Lab.2020.200119. PMID: 33073952
- 36- Hospital indoor air quality monitoring for the detection of SARS-CoV-2 (COVID-19) virus.

- Kenarkoohi A, Noorimotlagh Z, Falahi S, Amarloei A, Mirzaee SA, **Pakzad I**, Bastani E. *Sci Total Environ.* 2020 Dec 15;748:141324. doi: 10.1016/j.scitotenv.2020.141324. Epub 2020 Jul 29. PMID: 32805566 **Free PMC article.**
- 37- *Asymptomatic carriers of Neisseria meningitidis and Moraxella catarrhalis in healthy children.* Maleki A, Mirnaseri Z, Kouhsari E, Taherikalani M, **Pakzad I**, Mohammadi J, Sadeghifard N. *New Microbes New Infect.* 2020 May 8;36:100691. doi: 10.1016/j.nmni.2020.100691. eCollection 2020 Jul. PMID: 32514361 **Free PMC article.**
- 38- *The characterization of bacterial communities of oropharynx microbiota in healthy children by combining culture techniques and sequencing of the 16S rRNA gene.* Maleki A, Zamirnasta M, Taherikalani M, **Pakzad I**, Mohammadi J, Krutova M, Kouhsari E, Sadeghifard N. *Microb Pathog.* 2020 Jun;143:104115. doi: 10.1016/j.micpath.2020.104115. Epub 2020 Mar 3. PMID: 32135220
- 39- *Pattern of Antibacterial Resistance in Urinary Tract Infections: A Systematic Review and Meta-analysis.* Mortazavi-Tabatabaei SAR, Ghaderkhani J, Nazari A, Sayehmiri K, Sayehmiri F, **Pakzad I**. *Int J Prev Med.* 2019 Oct 9;10:169. doi: 10.4103/ijpvm.IJPVM_419_17. eCollection 2019. PMID: 32133087 **Free PMC article.** Review.
- 40- *Rapid and direct molecular detection of Streptococcus pneumoniae and Haemophilus influenzae isolated in oropharynx and nasal cavity of children.* Maleki A, Mansournia F, Ghafourian S, Taherikalani M, **Pakzad I**, Mohammadi J, Kouhsari E, Mahmoudi M, Sadeghifard N. *New Microbes New Infect.* 2019 Dec 10;33:100632. doi: 10.1016/j.nmni.2019.100632. eCollection 2020 Jan. PMID: 32021693 **Free PMC article.**
- 41- *Evaluation of Putative Toxin-antitoxins Systems in Clinical Brucella melitensis in Iran.* Moradkasani S, Kouhsari E, Jazi FM, Kalani BS, **Pakzad I**. *Infect Disord Drug Targets.* 2021;21(1):38-42. doi: 10.2174/1871526520666200117113420. PMID: 31957618
- 42- *A potential marker in brucellosis, long non coding RNA IFNG-AS1.* Gheitani R, Jourghasemi S, **Pakzad I**, Hosseinpour Sarmadi V, Samiepour Y, Sekawi Z, Azizi Jalilian F. *Mol Biol Rep.* 2019 Dec;46(6):6495-6500. doi: 10.1007/s11033-019-05095-w. Epub 2019 Oct 8. PMID: 31595441
- 43- *Phenotypic and Genotypic Characterization of ESBL-, AmpC-, and Carbapenemase-Producing Klebsiella pneumoniae and Escherichia coli Isolates.* Kazemian H, Heidari H, Ghanavati R, Ghafourian S, Yazdani F, Sadeghifard N, Valadbeigi H, Maleki A, **Pakzad I**. *Med Princ Pract.* 2019;28(6):547-551. doi: 10.1159/000500311. Epub 2019 Apr 16. PMID: 30995662 **Free PMC article.**
- 44- *Specification of Bacteriophage Isolated Against Clinical Methicillin-Resistant Staphylococcus Aureus.* Nasser A, Azizian R, Tabasi M, Khezerloo JK, Heravi FS, Kalani MT, Sadeghifard N, Amini R, **Pakzad I**, Radmanesh A, Jalilian FA. *Osong Public Health Res Perspect.* 2019 Feb;10(1):20-24. doi: 10.24171/j.phrp.2019.10.1.05. PMID: 30847267 **Free PMC article.**
- 45- *What about Urinary Tract Infections and its Antibiotic Resistance Bacteria in Ilam, Iran?* Esmaili K, Mohebi R, Sadeghifard N, Taherikalani M, **Pakzad I**, Maleki A, Valadbeigi H, Ghafourian S. *Infect Disord Drug Targets.* 2018;18(3):214-217. doi: 10.2174/1871526518666180622162229. PMID: 29932037
- 46- *Association between biofilm production, adhesion genes and drugs resistance in different SCCmec types of methicillin resistant Staphylococcus aureus strains isolated from several major hospitals of Iran.* Bimanand L, Taherikalani M, Jalilian FA, Sadeghifard N, Ghafourian S, Mahdavi Z, Mohamadi S, Sayehmiri K, Hematian A, **Pakzad I**. *Iran J Basic Med Sci.* 2018 Apr;21(4):400-403. doi: 10.22038/IJBMS.2018.19378.5132. PMID: 29796224 **Free PMC article.**
- 47- *mazE Antitoxin of Toxin Antitoxin System and fbpA as Reliable Targets to Eradication of Neisseria meningitidis.* Maleki A, Ghafourian S, **Pakzad I**, Badakhsh B, Sadeghifard N. *Curr Pharm Des.* 2018;24(11):1204-1210. doi: 10.2174/1381612824666171213094730. PMID: 29237374
- 48- *Spatiotemporal analysis of brucellosis incidence in Iran from 2011 to 2014 using GIS.*

- Pakzad R, **Pakzad I**, Safiri S, Shirzadi MR, Mohammadpour M, Behrooz A, Sullman MJM, Janati A. *Int J Infect Dis*. 2018 Feb;67:129-136. doi: 10.1016/j.ijid.2017.10.017. Epub 2017 Nov 6. PMID: 29122689 **Free article**.
- 49-Distribution of Class D Carbapenemase and Extended-Spectrum β -Lactamase Genes among *Acinetobacter Baumannii* Isolated from Burn Wound and Ventilator Associated Pneumonia Infections.
- Mohammadi M, Soroush S, Delfani S, **Pakzad I**, Abbaszadeh A, Bahmani M, Bogdanovic L, Taherikalani M. *J Clin Diagn Res*. 2017 Jul;11(7):DC19-DC23. doi: 10.7860/JCDR/2017/25534.10218. Epub 2017 Jul 1. PMID: 28892891 **Free PMC article**.
- 50-Ethanol Extract of *Berberis Vulgaris* Fruits Inhibits the Proliferation of MCF-7 Breast Cancer Cell Line Through Induction of Apoptosis.
- Ghafourian E, Sadeghifard N, **Pakzad I**, Valizadeh N, Maleki A, Jafari F, Ghiasvand N, Abdi J, Shokoochinia Y, Ghafourian S. *Infect Disord Drug Targets*. 2017;17(3):192-198. doi: 10.2174/1871526517666170531113759. PMID: 28558642
- 51-Novel Information about *Neisseria meningitidis*: Identification of the Most Important Type II Toxin Antitoxin Systems.
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