

Shaghayegh Nasr

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PROFILE

- Sex: Female
- Age: 43 yrs (1360.02.22; 1981.05.12)
- Nationality: Iranian
- Country of residence: Iran
- Current position: **University of Science and Culture**

WORK EXPERIENCE

2024- Present	University of Science and Culture	Tehran, Iran
2011 _ 2024	Iranian Biological Resource Center www.ibrc.ir	Tehran , Iran
2022- 2024	Director of Deputy of Education	
2011- 2021 2015-2020	Curator for yeasts and yeast- like microorganisms Executive manager of Microorganisms Bank	
August 2008 – September 2009	Research Institute of Petroleum Industry	Tehran , Iran
Jul 2007 – August 2008	Iranian National laboratory of Industrial Microbiology	Tehran , Iran

FIELD OF STUDY

- **Taxonomy and Biodiversity of Yeasts and Yeast-like microorganisms**
Isolation, Identification, description, preservation and enzymatic profiling
- **Microbial enhanced oil recovery** including
Biopolymer flooding
Screening of biosurfactant producer bacteria
- **Microbiological Analysis of Food and Water** including
Microbial quality of bottled water
Microbial quality of recreational water

EDUCATION

2009-2014	Alzahra university Microbiology, (<i>Ph.D.</i>)	Tehran , Iran
2004-2007	Alzahra university Microbiology, Master Degree (<i>MSc.</i>)	Tehran , Iran
2000-2004	Shahid Beheshti University Marine Biology, Bachelor Degree (<i>BSc.</i>)	Tehran , Iran

IT SKILLS:

Windows & Office tools

- Word, Excel ,PowerPoint, Minitab, EndNote, Adobe Photoshop

LANGUAGES

- Persian (Farsi) Native
- English Fluent

CONFERENCES (ABSTRACT)

Nasr S., A Recent Overview of Microbes and Microbiome Preservation. 7th joint symposium of Symposium of Cryobioengineering, 21 February 2024, Tehran, Iran.

Rahbarjoo M., **Nasr S.**, Alimadadi N., Isolation and screening of cellulose-producing bacteria from fruits. The 13th National and 5th International Biotechnology Congress of the Iranian Biotechnology Society. 8-10 October 2023, Tehran, Iran.

Hasani M., Mohammad Zadeh Vazifeh M., **Nasr S.**, Recent innovative postharvest technologies for protection and preservation of fruits. The 12th National Congress of the New technologies in Sustainable Development of Iran. 30 January 2024.

Nasr S. Probiotic Yeasts: biotechnological and functional characterization and their future potential. The 24th International Congress of Microbiology of Iran. 18-20 September 2023, Tehran, Iran.

Abed S., Shafiei M., **Nasr S.**, Isolation and identification of effective bacteriophages against *Enterococcus faecalis* bacteria from hospital wastewater. The 24th International Congress of Microbiology of Iran 18-20 September 2023, Tehran, Iran.

Hasani M., Shahzadeh Fazeli S. A., Miyan Mahaleh Y., **Nasr S.**, Mohammad Zadeh Vazifeh M., Evaluation of the efficacy of different concentrations of chitosan for biocontrol of pathogenic fungi on Citrus. The 24th International Congress of Microbiology of Iran 18-20 September 2023, Tehran, Iran.

Dehghani S. Sohrabi Haghdoost N. **Nasr S.**, Mohammad Zadeh Vazifeh M., Potential Antimicrobial properties of coffee waste against index bacterial strains. The 24th International Congress of Microbiology of Iran 18-20 September 2023, Tehran, Iran.

Aghajannejad F. Shahzadeh Fazeli S. A., **Nasr S.**, Amirmojahedi H., Sarikhan S. Investigation of the effect of glutaminase domain deletion on L-asparaginase enzyme activity from *Fereydounia khargensis* PL1 strain. The 5th International and 17th Iranian Genetic Congress 6-8 March 2023, Tehran, Iran.

Nasr S. Strategies for the identification of potential probiotic strains: Traditional and new approaches. The 5th international Conference probiotics and functional foods. 22-24 February 2023, Tehran, Iran.

Mousavi H.S., Mohammad Zadeh Vazifeh M., **Nasr S.** Electrospinning as a novel strategy for Encapsulation of *Bifidobacterium animalis* subsp. *Lactis* BB12 in Chitosan and Inulin nanofibers. The 23th international Congress on Microbiology 30 August- 1 September 2022, Tehran, Iran.

Aghajannejad F. Shahzadeh Fazeli S. A., **Nasr S.**, Amirmojahedi H., Sarikhan S. Chaperone-based soluble expression of recombinant L-asparaginase from yeast strain *Fereydounia khargensis* in *E. coli* expression system. 17th National and 2nd International Conference of Iranian Biophysical Chemistry 6 September -7 September, 2022, Guilan, Iran.

Rahmani B., Alimadadi N., **Nasr S.** Evaluation of yeast biodiversity in Iranian traditional Kefir samples. The 22nd international virtual Congress of Microbiology. 22 August- 2 September 2021, Tehran, Iran.

Pourvali Z., Alimadadi N., **Nasr S.** Evaluation of antagonistic yeast strains against *Penicillium expansum* and determination of their mechanism of action. The 4th international and 12th National Biotechnology Congress of Islamic Republic of Iran, 22 August 2021, Tehran, Iran.

Taseh H., Alimadadi N., **Nasr S.** Biocontrol potential of yeast strains against *Botrytis cinerea* for controlling postharvest disease in fruits. The 4th international and 12th National Biotechnology Congress of Islamic Republic of Iran, 22 August 2021, Tehran, Iran.

Rangian Tehrani N., Dabbagh R., Tajer-Mohammad-Ghazvini P., **Nasr S.** The role of cellulose-degrading microorganisms in Bioremediation. The 8th National Congress on Biology and Natural Science of Iran, 16 July 2021, Tehran, Iran.

Koopaei Joushghani Z, Saberian K, **Nasr S.** Tajer-Mohammad-Ghazvini P. Review on bioremediation of zirconium removal methods. The 10th National Congress of the New Technologies in Sustainable Development of Iran, 4 March 2021, Tehran, Iran.

Nasr S. Exploitation of yeast antagonists as biological control agents for the management of postharvest diseases in fruits and vegetables. 1th National Conference on Biodiversity, 12-19 October 2020, Tehran, Iran.

Nasr S. Biodiversity and significance of Microbial Resource Centers (MRCs) in development of the Bio-economy: challenges and opportunities, 1th National Conference on Biodiversity, 12-19 October 2020, Tehran, Iran.

Nasr S. Investment into the Future of Microbial Resources: Conventional to Modern Approaches. 4th International and 16th Iranian Genetics Congress, 29-2 October 2020, Tehran, Iran.

Eftekhari Yazdi S., Amoozegar M.A., **Nasr S.**, Safarpour A., Effect of different tea sources on culturable microorganisms and Antimicrobial activity of Kombucha, 3rd international and 11th National Biotechnology Conference of Islamic Republic of Iran, 1-3 September 2019, Tehran, Iran.

Fazeli N., Alimadadi N., **Nasr S.** Evaluation of different indicator dyes for detection and screening of L-asparaginase producing yeasts, 3rd international and 11th National Biotechnology Conference of Islamic Republic of Iran, 1-3 September 2019, Tehran, Iran

Oshani N., Tajer-Mohammad-Ghazvini P., **Nasr S.** Isolation of cadmium-resistant phosphate solubilizing bacteria for use in environmental biotechnology, 3rd international and 11th National Biotechnology Conference of Islamic Republic of Iran, 1-3 September 2019, Tehran, Iran

Fazeli N., Alimadadi N., **Nasr S.** Isolation and screening of novel local yeast strains for L-asparaginase production, 20th International Congress of Microbiology 27- 29 August 2019 Kerman, Iran

Karnama p., Pakdin Parizi A., **Nasr S.** Isolation, identification and characterization of lactic acid bacteria isolated from traditional dairy products of Mazandaran. 2nd international and 25th Iranian congress on food science and technology, 14-15 February 2018, Sari, Iran.

Nasr S., Amoozegar M. A., Shahzadeh Fazeli S. A., The Iranian Biological Resource center (IBRC): Repository in bioprospecting of national microbial diversity, 19th international Congress of Microbiology, 4-6 September 2018, Tehran, Iran

Tafreshi T., Mojgani N., Mosavari N., **Nasr S.** Isolation and identification of Mycobacterium from raw milk and traditional cheese samples collected. 19th international Congress of Microbiology, 4-6 September 2018, Tehran, Iran.

Ghavami Langroudi K., **Nasr S.**, Moghimi H. Isolation and identification of phenol degrading yeasts from contaminated samples, 19th international Congress of Microbiology, 4-6 September 2018, Tehran, Iran

Maleki S.R., Shahhosseiny M.H., **Nasr S.**, Molecular diagnosis of nodularin/microcystin toxins in Amirkelayeh lagoon, 2nd international and 10th national Biotechnology Congress of Islamic republic of Iran, 29- 31 August 2017, Karaj, Iran.

Miyan mahaleh Y., Tajer Mohammad Ghazvini P., Soudi M.R., **Nasr S.** Potential of *Rhodotorula toruloides* strain IR-1395 in bioremediation of solutions containing tellurite toxic oxyanion. International Conference on Modern Research in Science and Engineering in the 21th Century. 8 November 2017, Astara, Iran

Nasr S., Amoozegar M. A., Shahzadeh Fazeli S. A., Occurrence of novel yeasts taxa in Mangrove ecosystem of Iran, *the 17th international congress of Microbiology*, 29- 31 August 2017, Tehran, Iran

Nasr S., Geranpayeh Vaghei M., Soudi M.R., Shahzadeh Fazeli S. A., Isolation and polyphasic identification of *Volutella colletotrichoides* from plant material of Incheh-Borun, *19th national and 7th international Congress of Biology*, 30 August-1 September 2016, Tabriz, Iran.

Mohamadi Nasab P., **Nasr S.**, Bidoki S.K., Enrichment, isolation and identification of indigenous *Saccharomyces cerevisiae* strains and their qualification as Baker's yeast, *the 17th international and Iranian congress of Microbiology*, 23-25 August 2016, Tehran, Iran.

Geranpayeh Vaghei M., **Nasr S.**, Soudi M.R., Evaluation of probiotic potential of methylotrophic yeasts isolated from plant materials, *the 17th international and Iranian congress of Microbiology*, 23-25 August 2016, Tehran, Iran.

Azadmard A., Soudi M.R., **Nasr S.**, Barati F., Secretory polysaccharide degrading enzymes in certain local yeast species, *the 17th international and Iranian congress of Microbiology*, 23-25 August 2016, Tehran, Iran.

Barati F., Soudi M.R., **Nasr S.**, Azadmard A., Production of fibrolytic enzymes by local yeast strain of *Coniochaeta* sp., *3rd national Conference on Probiotics and functional foods*, 7-9 February 2016, Tehran, Iran

Geranpayeh Vaghei M., **Nasr S.**, Soudi M.R., Isolation and Screening of Methylotrophic Yeasts for Application as DFM (Direct Fed Microbial), *3rd national Conference on Probiotics and functional foods*, 7-9 February 2016, Tehran, Iran.

Nasr S., Soudi M.R., Shahzadeh Fazeli S.A., Study of biochemical profile of a native yeast-like species: *Aureobasidium iranianum*, *the 16th International Congress of Microbiology*, 25-27 September, 2015, Tehran, Iran.

Nasr S., Soudi M.R., Salmanian A.H., Khajeh K., Optimization of extracellular endo-1, 4- β -xylanase enzyme production in a Yeast strain of *Aureobasidium pullulans*, *the 17th National and 5th International Iranian Biology Conference*, 4-6 September, 2012, Kerman, Iran.

Nasr S., Soudi M.R., Salmanian A.H., Khajeh K., Study of three xylanolytic enzymes in a yeast strain of *Aureobasidium* sp., *The 13th Iranian and The 2nd International Congress of Microbiology*, 14-16 July, 2012, Ardabil, Iran.

Nasr S., Soudi M.R., Salmanian A.H., Diversity of secretory carbohydrases among yeasts isolated from environmental samples, *National Congress of Biological Resource Centre*, 21-22 February, 2012, Tehran, Iran.

Nasr S., Soudi M.R., Versatility of methods for screening of laccase producing yeasts isolated from soil, *National Congress of Biological Resource Centre*, 21-22 February, 2012, Tehran, Iran.

Soudi M.R., Abdi Ali E., **Nasr S.**, Ashraf S., Study of primary and secondary microbial indices in recreational coastal waters of the Caspian Sea, *The 1st National-Regional Conference on Ecology of Caspian Sea*, 1-2 June, 2010, Sari, Iran.

Nasr S., Soudi M.R., Production of Biodiesel by Microalgae: Opportunities, Challenges and States of the art, *2th National Convention on Fuel, Energy and Environment*, 19-20 May, 2010, Kermanshah, Iran.

Attaran B., **Nasr S.**, Soudi M.R., Miri R., Nasairi A.R., Evaluation the effect of acid treatment on efficiency of biopolymer from *xanthomonas campestris* in drilling fluids, *15th National and 3rd International Conference of Biology*, 19–21 August, 2008, Tehran, Iran.

Nasr S., Attaran B., Soudi M.R., Mehrnia M.R., Sarrafzadeh M.H., Stability of biosurfactant produced by native strain of *B. subtilis* in variation of environmental conditions, *15th National and 3rd International Conference of Biology*, 19–21 August, 2008, Tehran, Iran.

Nasr S., Soudi M.R., Mehrnia M.R., Sarrafzadeh M.H., Screening and selection of biosurfactant producing

bacteria from an oil-contaminated soil site, *XII. International Congress of Bacteriology and Applied Microbiology* 5-9 August, 2008, Istanbul, Turkey.

Nasr S., Soudi M.R., Haghghi M." Optimization of xanthan recovery from fermentation broth by alcohol precipitation", *1st Annual Conference on Applied Microbiology*, Jul 2007, Tehran, Iran.

Soudi M.R., **Nasr S.**, Haghghi M. Rashidi.H, "The influence of some exogenous factors on properties of xanthan gum produced by a native strain of *X. campestris*", *Annual Conference of Association for General and applied Microbiology*, April1-4,2007, Osnabruck, Germany.

Rashidi H., Soudi M.R., Sepehr S., **Nasr S.**, "Screening of cytolytic bacteria against *Xanthomonas campestris*", *Annual Conference of Association for General and applied Microbiology*, April1-4, 2007, Osnabruck, Germany.

Nasr S., Soudi M.R., Haghghi M., "Study of enhanced oil recovery potential by biopolymers from native strains of *X. campestris*", *14th National and 2nd International Conference of Biology*, Aug 2006, Tehran, Iran.

PAPERS

Abed S., Sholeh M., Khazani Asforooshani M., Barzi S. M., **Nasr S.**, Shafiei M., (2024). Insights into the Novel *Enterococcus faecalis* Phage: A Comprehensive Genome Analysis. PLOS ONE. In press.

Tajer-Mohammad Ghazvini P., Shiri Yekta Z., **Nasr S.**, Eslami N., Hosseini M.S. (2023). Optimization of Uranium absorption by pre-autoclave *Micrococcus luteus* using response surface methodology. *Journal of Applied Biology*. 36 (2).

Shiri Yekta Z., Tajer-Mohammad Ghazvini P., **Nasr S.**, Eslami N., Hosseini M.S. (2023). Optimization of Uranium absorption by pre –treat *Citrobacter* sp. Biomass. *Biological Journal of Microorganisms*. 12 (47):1-15.

Alimadadi N., Pourvali Z., **Nasr S.**, Shahzadeh Fazeli S. A. (2023). Screening of antagonistic yeast strains for postharvest control of *Penicillium expansum* causing blue mold decay in table grape. *Fungal Biology*, 127(3):901-908.

Rahmani B., Alimadadi N., Attaran B, **Nasr S.** (2022). Yeasts from Iranian traditional milk kefir samples: isolation, molecular identification and their potential probiotic properties. *Letters in Applied Microbiology*, 75 (5):1264-1274.

Fazeli N., Alimadadi N., **Nasr S.** (2021). Identification and Enhanced Production of L-Asparaginase Enzyme Using Soil-Isolated Fungal Strain: *Sarocladium kiliense* IBRC-M 30453. *Biological Journal of Microorganisms*. 11 (42): 85-102.

Fazeli N., Alimadadi N., **Nasr S.** (2021). Screening and Optimization of Process Parameters for the Production of L-Asparaginase by Indigenous Fungal Type Strains. *Iranian Journal of Science and Technology, Transaction A, Science*. 45, 409–416.

Tavassoli Tabatabaei N., Soudi M.R., Tajer-Mohammad Ghazvini P., **Nasr S.**, Bahrami-Bavani M. (2021). Investigation of mercury interactions of *Rhodotorula toruloides* IR-1395 for mercury bioremediation processes in aquatic environments. *Biological Journal of Microorganisms*. 10 (37): 25-36.

Hajihosseinali M., **Nasr S.**, Amoozegar M., Yurkov A. (2019). *Saccharomycopsis oxydans* sp. nov., a new non-fermentative member in the genus *Saccharomycopsis* isolated from a traditional dairy product of Iran. *International Journal of Systematic and Evolutionary Microbiology*. 70(2):1059-1063

Nasr S., Lutz M., Amoozegar M. A., Eparvier V., Stien D., Shahzadeh Fazeli S. A., Yurkov A. (2018), *Graphiola fimbriata*: the first species of Graphiolaceae (Exobasidiales, Basidiomycota) described only based on its yeast stage. *Mycological Progress* 18 (3): 359-368.

Shahtahmasebi SH., Pourianfar HR., Mahdizadeh V., Shahzadeh Fazeli S.A., Amoozegar M.A., **Nasr S.**, Zabihi SS2, Rezaeian SH., Malekzadeh KH., Janpoor J (2018), A preliminary study on domestication of wild-growing medicinal mushrooms collected from Northern Iran. *Current Research in Environmental & Applied Mycology* 8(6): 606–623

Nasr S., Mohammadimehr M., Geranpayeh Vaghei M., Amoozegar M. A., Shahzadeh Fazeli S. A. (2018),

Aureobasidium mangrovei sp. nov., an ascomycetous species recovered from Hara protected forests in Persian Gulf, Iran. *Antonie van Leeuwenhoek* 111(9):1697-1705.

Nasr S., Bien S., Soudi M.R., Alimadadi N., Shahzadeh Fazeli S. A., Damm U. (2018), Novel *Collophorina* and *Coniochaeta* species from *Euphorbia polycaulis*, an endemic plant in Iran. *Journal of Mycological Progress*, 17(6): 755–771.

Nouri H., Moghimi H., Geranpayeh Vaghei M., **Nasr S.** (2017). *Blastobotrys persicus* sp. nov., an ascomycetous yeast species isolated from cave soil. *Antonie van Leeuwenhoek* 111 (4): 517–524.

Nasr S., Mohammadimehr M., Geranpayeh Vaghei M., Amoozegar M. A., Shahzadeh Fazeli S. A. Yurkov A. (2017) *Jaminaea pallidilutea* sp. nov. (Microstromatales), a basidiomycetous yeast isolated from plant material of mangrove forests in Iran. *International Journal of Systematic and Evolutionary Microbiology*, 67:4405-4408.

Nasr S., Nguyen H.D.T., Soudi M.R., Shahzadeh Fazeli S.A., Sipiczki M. (2016), “*Wickerhamomyces orientalis* f. a., sp. nov.: an ascomycetous yeast species belonging to the *Wickerhamomyces* clade”, *International Journal of Systematic and Evolutionary Microbiology*, 66, 2534–2539.

Amini L., Soudi M.R. **Nasr S.** (2015), “Isolation of yeasts from rice farms and study of secretory enzyme profile in two species of the genus *Pseudozyma*” *Iranian Journal of Biology*, 28(1):23-34.

Nasr S., Soudi M.R., Shahzadeh Fazeli S.A., Nguyen H.D.T., Lutz M., Piątek M (2014), “Expanding evolutionary diversity in the Ustilaginomycotina: *Fereydouniaceae* fam. nov. and *Fereydounia* gen. nov., the first urocystidalean yeast lineage”. *Journal of Mycological Progress*, 13:1217–1226

Nasr S., Soudi M.R., Zamanzadeh Nasrabadi S.M., Moshtaghi Nikou M., Salmanian A.H., Nguyen H.D.T. (2014), “*Basidioascus persicus*: a new yeast-like species of the Geminibasidiales isolated from Iran soil” *International Journal of Systematic and Evolutionary Microbiology*, 64:3046-3052.

Nasr S., Soudi M.R., Salmanian A.H., Ghadam P. (2013), “Partial Optimization of Endo-1, 4-B-Xylanase Production by *Aureobasidium pullulans* Using Agro-Industrial Residues”, *Iran Journal of Basic Medical Science*, 16:1245-1253

Dorranian D., Soudi M.R., Jamshidi M.M., Sari A.H., **Nasr S.**, Amini L., (2010), “Sterilization of *Escherichia coli* and the microorganisms of turmeric samples with coron discharge plasma”, *Journal of Theoretical and Applied Physics*, 4(3):28-36.

Soudi M.R., **Nasr S.**, Attaran B., Mehrnia M.R., Sarrafzadeh M.H, (2010), "Stability of biosurfactant produced by native strain of *B. subtilis* in variation of environmental conditions", *Iranian Journal of Biology*, 23(2):172-178.

Nasr S., Soudi M.R., Mehrnia M.R., Sarrafzadeh M.H. (2009) “Characterization of novel biosurfactant producing strains of *Bacillus* spp. Isolated from petroleum contaminated soil”, *Iranian Journal of Microbiology*, 1(2): 54 - 61.

Nasr S., Soudi M.R., Haghghi M. (2008) "Study of xanthan properties in two strains of *Xanthomonas campestris*: regarding applications in microbial enhanced oil recovery", *Ahwaz science journal*, 20:111-120.

Nasr S., Soudi M.R., Haghghi M., (2007) “Xanthan production by a native strain of *X. campestris* and evaluation of application in EOR”, *Pakistan Journal of Biological Science*, 10 (17):3010-3013.

Research Projects

Screening and Evaluation of Yeast Antagonists for Bio-preservation of fruits. MI-1400-01. July 2021.

Collection, identification and classification of wild populations of higher fungi indigenous to Mazandaran province. 2283-11. March 2018

Isolation, identification and screening of *Saccharomyces cerevisiae* strains for application in food industry. MI-1393-27. January 2018. (PI researcher)

Isolation, characterization, preservation and study on probiotic properties of lactic acid bacteria in traditional fermented foods of Kermanshah and Tehran. MI-1392-25/01. July 2017.

Screening the ability of Kharg Island oil lagoon native microorganisms in bioremediation of oil contamination with microbial methods. MI-1391-18. June 2016.

Isolation, identification and preservation of native microorganisms from Gumishan and Inche-brun wetland. MI-1391-15. March 2016.

Academic activities

Executive activities

2023- present Head of the Department of Pathogenic Microorganisms, University of Science and Culture, Tehran, Iran

2019- 2024 Head of the Department of Microbial Biotechnology, University of Science and Culture, Tehran, Iran

Lecturing and teaching

- Department of Pathogenic Microorganisms, Faculty of Basic Sciences and Advanced Technologies in Biology, University of Science and Culture, Tehran, Iran

2024- present lecturer in the Microbial ecology course of the MSc. Degree
2024- present lecturer in the Methods in Microbiology course of the MSc. Degree

- Department of Microbiology, Faculty of Basic Sciences and Advanced Technologies in Biology

2018- present lecturer in the Biosafety course of the BSc. Degree
2021- present lecturer in the Laboratory of Bacteriology 1 course of the BSc. Degree
2022- present lecturer in the Bacteriology 2 course of the BSc. Degree
2023- present lecturer in Microbial Biotechnology course of the BSc. Degree

- Department of Microbial Biotechnology, Faculty of Basic Sciences and Advanced Technologies in Biology, University of Science and Culture, Tehran, Iran

2015- 2024 Graduate courses:
lecturer in the Fungal Biotechnology course of the MSc. degree
lecturer in the Research Methodology and experimental design course of the MSc. degree
lecturer in the Bioinformatics course of the MSc. degree
lecturer in the Methods in Biotechnology course of the MSc. Degree

- ACECR Institute of Higher education Isfahan Branch, Isfahan, Iran

2020-2022 lecturer in the Food Biotechnology course of the MSc. Degree

Supervising and consulting experience

Nooraeen S., 2024-present, Investigation of culture conditions for cellulose production by a bacterium isolated from peach. Islamic Azad University.

Pak aghideh H., 2024-present, Investigation of cellulose production by *Komagataeibacter* sp. MR1 using cheap materials. Islamic Azad University.

Taji M., 2024-present, Isolation of bacteria from lignocellulosic material and evaluation of their potential for decolorization of industrial dyes. Islamic Azad University.

Maleki K., 2024-present, Screening of genomic databases with the aim of finding aspartate semialdehyde dehydrogenase enzyme with high activity to investigate in threonine production. University of Science and Culture.

Bandari F., 2024-present, Isolation and screening of yeasts with the ability to decolorize azo dyes from the soil of the forests of northern Iran. Islamic Azad University.

Bitarafan S., 2024-present, Investigating the effects of *Akkermansia muciniphila* strain MucT on induction of apoptosis in PANC-1 cell line, University of Science and Culture.

Yadegari Y., 2024-present, Isolation and identification of probiotic bacteria from the rhizosphere of vineyard in takistan city (Iran). University of Science and Culture.

Pahlevani M., 2023-present, Investigating the effect of nanozyme based on ZIF 8, containing the antibiotic ciprofloxacin against the biofilm of resistant strains of *Pseudomonas aeruginosa*. University of Science and Culture.

Joshanpour SS., 2023-present, Investigating the synergistic effect of chicken antibody (IgY) and CM11 antimicrobial peptide against *Acinetobacter baumannii* in vitro and mouse pneumonia model. University of Science and Culture.

Masoomi poor F. 2023-present, Investigating the microbial community of ore samples from Sarcheshme copper mine and keeping selected strains in the bioleaching. Alzahra University.

Salari Ariya H., 2023-present, Investigating the expression of genes involved in binding, biofilm production and pathogenicity of *Candida albicans* strain ATCC10231 under the influence of serotonin. University of Science and Culture.

Gholamrezaei F. 2023-present, Using LAMP test for rapid detection of *Lactobacillus casei* in food products, University of Science and Culture.

Gharatapeh M. 2023-present, Investigating the effects of native *lactiplantibacillus plantarum* strain on improving the iron absorption in animal model. University of Science and Culture.

Ghanbari D. 2020-present, Characterization of Iranian isolates of *Xylella fastidiosa* by Multilocus sequence typing system. Islamic Azad University.

Golabnia MA. 2023-present, Isolation and screening of cellulose-producing bacteria from traditional vinegar samples. Islamic Azad University.

Rahbarjoo M. 2023-2024, Isolation and screening of cellulose-producing bacteria from fruits. Islamic Azad University.

Abed S. 2022-2024, Isolation and identification of effective bacteriophages against *Enterococcus faecalis* bacteria from hospital wastewater. University of Science and Culture.

Dehghani S. 2023-2023, Comparing the antimicrobial properties of Robusta and Arabica coffee wastes for the design and production of antimicrobial coating. University of Science and Culture.

Hasani M. 2022-2023, Application of nanoparticles (Thymol-loaded chitosan) as a potent fungicide against postharvest fungal pathogen of Orange. University of Science and Culture.

Aghajannejad F. 2021-2023, Identification, cloning, and recombinant expression of L- Asparaginase from *Fereydounia khargensis* IBRC-M 30116^T in *Escherichia coli*. University of Science and Culture.

Tangestani F. 2021-2023, The evaluation of the antibacterial and antibiofilm activity of Rhamnolipid & Doxycycline antibiotic in niosome against *Staphylococcus aureus* and methicillin resistant *Staphylococcus aureus* (MRSA). University of Science and Culture.

Hosseini MS. 2020-2023, Evaluation of the antagonistic effect of *Pseudomonas aeruginosa* phenazin toxin on

Candida albicans isolated from clinical samples. University of Science and Culture.

Mohseni A. 2021-2022, Isolation and identification of bacteriophage against *Streptococcus pneumoniae* isolated from sinusitis patients. University of Science and Culture.

Janati S. 2021-2022, Evaluation of the combined effects of *Lactobacillus plantarum* and *Lactobacillus acidophilus* on survival and proliferation of breast cancer cell line (MCF-7). University of Science and Culture.

Nosrati N. 2021-2022, Design and preparation of PAMAM-Ag nanoparticles containing fluconazole antibiotics for inhibition of *Candida Albicans* infection. University of Science and Culture.

Musavi HS. 2021-2022, Evaluation antimicrobial and probiotic effects nanofiber based on Chitosan and Inulin with *Bifidobacterium* bacteria. University of Science and Culture.

Rangian Tehrani N. 2020-2022, Screening of microorganisms degrading uranium-contaminated cellulosic materials. University of Science and Culture.

Keyvanloo M. 2020-2022, Molecular study of the enterotoxin (seaA, seaB, seaC, seaD) and shock-toxic syndrome (tst) producing genes in *Staphylococcus aureus* isolated from raw milk. University of Science and Culture.

Ahmadi Nayeri E. 2020-2021, ERIC-PCR based genotyping and phylogenetic and phenotypic analyses of *Paenibacillus larvae* strains isolated from Iranian honey bee colonies. University of Science and Culture.

Taseh H. 2020-2021, Screening and Evaluation of Yeast Antagonists for Bio-preservation of Grapes against *Botrytis cinerea*. University of Science and Culture.

Pourvali Z. 2020-2021, Evaluation of native yeast strains as a biocontrol agent against *Penicillium expansum* as a fungal pathogens of agricultural products. University of Science and Culture.

Ghahari E., 2019-2021, Selection of flocculent yeast strains using adaptive experimental evolution and evaluation of biomass precipitation in presence of co-flocculants, Alzahra University.

Rahmani B. 2019-2021, Evaluation of yeast biodiversity and characterization of their probiotic potential from kefir samples, University of Science and Culture.

Shahmirzaei M., 2019-2021, Uranium biosorption study using stabilized and modified brown algae in the batch system, University of Science and Culture.

Eslami N., 2019-2021, Evaluation of uranium biosorption by non-living bacteria *Citrobacter freundii* and *Micrococcus luteus*, University of Science and Culture.

Koopaei Z., 2019-2021, Study of the ability of microalgae *Chlorella* sp. in zirconium removal and the effects of dual uranium contamination in the removal process, University of Science and Culture.

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WORKSHOP

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