

LIST of PUBLICATIONS

INTERNATIONAL PUBLICATIONS

1. **Iram Liaqat**, Robert Th. Bachmann, Anjum Nasim Sabri, Robert G.J. Edyvean, Catherine Biggs., 2008. "Investigating the effect of patulin, penicillic acid and EDTA on biofilm formation of isolates from dental unit water lines" *Applied. Microbiol. Biotechnol (USA)*., **81(2)**: 349-358.....(IF= 3.613). Citations (Cit.): 22.
2. **Iram Liaqat**, Anjum Nasim Sabri., 2008. Effect of biocides on biofilm bacteria from dental unit water lines. *Curr. Microbiol (USA)*., 56(6): 619-624. (IF= 1.815). Cit.: 43.
3. **Iram Liaqat**, Anjum Nasim Sabri., 2008. Analysis of cell wall constituents of biocide-resistant isolates from dental-unit water line biofilms. *Curr. Microbiol (USA)*., 57(4): 340-347. (IF= 1.815). Cit: 22.
4. **Iram Liaqat**, Anjum Nasim Sabri., 2009. "In Vitro Efficacy of Biocides against Dental Unit Water Line (DUWL) Biofilm Bacteria." *Asian J. Exp. Sci (India)*., **23 (1)**: 67-75. Cit: 1.
5. **Iram Liaqat**, Anjum Nasim Sabri., 2009. "Isolation and characterization of biocides resistant bacteria from dental unit water line biofilms" *J. Basic. Microbiol (Germany)*., **49(3)**: 1-10. (IF=1.266). Cit: 12.
6. **Iram Liaqat**., 2009. Fourier transform infrared spectroscopy of planktonic and biofilm growth of dental unit water line bacteria. *Spectroscopy (Netherlands)*. **23(3-4)**: 175-189.(IF=0.932). Cit: 3.
7. **Iram Liaqat**, Fareeha Sumbal, Anjum Nasim Sabri., 2009. Tetracycline and chloramphenicol efficiency against selected biofilm forming bacteria. *Curr. Microbiol. (USA)*. . **59(2)**: 212-220.....(IF= 1.815). Cit: 32.
8. **Iram Liaqat**, Anjum Nasim Sabri., 2010. Characterization of biocides resistant isolates from dental unit water line biofilms by culture dependent approach. *African J. Clin. Exp. Microbiol (Africa)*., **11(1)**., 129-136. Cit: 2.
9. **Iram Liaqat**, Anjum Nasim Sabri., 2010. A laboratory approach to characterize biocides resistant isolates from dental unit water line biofilms. *Asian. J. Exp. Biol. Sci (India)*., **1(2)**, 460-470. Cit. 3
10. **Iram Liaqat**, Robert Th. Bachmann, Anjum Nasim Sabri, Robert G.J. Edyvean., 2010. Isolate-specific effects of patulin, penicillic acid and EDTA on biofilm formation and growth of dental unit water line biofilm isolates. *Curr. Microbiol (USA)*., **61(2)**. 148-156 (IF= 1.815). Cit: 22.
11. **Iram Liaqat**, Nadya Gotsiridze-Columbus., 2011. An Overview of Biofilm Formation, Properties and Control. "Int. J. Front. Med. Biol (USA)". 17 (4-5), 415-426.
12. **Iram Liaqat**, Harry Sakellaris, Nadya Gotsiridze-Columbus (2011). A Review of Enterotoxigenic *Escherichia Coli* Infection in Humans. 'Int. J. Front. Med. Biol (USA). Nova Publishers, **17(8)** pp. 863-872.
13. **Iram Liaqat**, Anjum Nasim Sabri, 2011. Biofilm, dental unit water line and its control. *African J. Clin. Exp. Microbiol (Africa)*. 12(1): 15-21. Cit 15
14. **Iram Liaqat**, Harry Sakellaris. 2012. Biofilm formation and binding specificities of CFA/I, CFA/II and CS2 adhesions of enterotoxigenic *Escherichia coli* and *CfaE-R181A* mutant. *Braz. J. Microbiol (Brazil)*. 43(3), 969-980.(IF= 0.896). Cit 09
15. Saiyed I. Ahmed, Sajjad-ur-Rehman, **Iram Liaqat**. 2012. Review of the use of new approaches and technologies for vector control to address increasing threats from the global dengue fever epidemics. 2012. Proceedings of the International Seminar on Science and Technology Innovation 2012 Green Technology Innovation for Sustainable society Oct 2-4 held at university of Al-Azher, Indonesia. Pp 18-25.
16. **Iram Liaqat**, Saiyed I. Ahmed, Nusrat Jahan, 2013. Biofilm formation and sporulation in *Bacillus subtilis*. *Int. J. Microbiol. Res. Rev.* 1(4). 061-067.
17. **Iram Liaqat**, Nusrat Jahan, Saiyed I. Ahmed, 2013. Challenges and future prospects for dengue vector control. *Afr. J. Microbiol. Res (Africa)*. 7(33). 4220-4227.
18. **Iram Liaqat**, Robert Th. Bachmann, Robert G.J. Edyvean. 2013. Type 2 quorum sensing monitoring, inhibition and biofilm formation in marine microorganisms. *Curr. Microbiol.* **68(3)**: 342-351..... (IF= 1.815). Cit 15
19. Arifa Mehreen, Muzzamil Waheed, **Iram Liaqat**, Najma Arshad. 2016. Phytochemical, Antimicrobial and toxicological evaluation of traditional herbs used to treat sore throat. *Biomed. Res. Int.* 2016 (2016). <http://dx.doi.org/10.1155/2016/8503426>(IF: 2.134).
20. Sania, Safdar Ali Mirza, **Iram Liaqat**, Nazish Mazhar. 2017. Evaluation of an important flavonoid silymarin in callus cultures of *Sylibum marianum (L.) Gaertn.* *Int. J. Biosci.* **10 (6)**: 20-28.
21. Najma Arshad, Arifa Mehreen, **Iram Liaqat**, Muhammad Arshad, Humera Afrasiab. 2017. In vivo screening and evaluation of four herbs against MRSA infections. *BMC Complement Altern Med.* **17(1)**: 498.(IF: 2.288).

22. Nazish Mazhar Ali, Muhammad Shahzad, Muqadas Bano, **Iram Liaqat**, Bushra Mazhar, Samina Zain, Atif Yaqub. 2017. Antibioqram analysis and characterization of bacterial pathogens from Leucorrhoea patients. *Micrbiol Res J Int.*, **28(1)**: 1-13.
23. **Iram Liaqat**. 2017. Medicinal Plants: A new hope against microbial resistance. *EC Microbiology*. **13(3)**: 105-107.
24. **Iram Liaqat**. 2017. Dental Unit Water Lines, Biofilm Formation and Disinfection Measures. Editorial. *Acta Sci. Dent. Sci.*, **1(4)**: (2017).
25. **Iram Liaqat**. 2018. Pakistan poultry industry growth and challenges. *Appro Poult Dairy & Vet Sci*. **2(4)**:1-2.
26. **Iram Liaqat**, Naila Riaz, Qurat-ul-Ain Saleem, Muhammad Tahir, Muhammad Arshad and Najma Arshad. 2018. Toxicological evaluation of essential oils from some plants of Rutaceae Family. *Evid.-Based Complementary Altern. Med.* <https://doi.org/10.1155/2018/4394687> (IF=1.740)
27. Hafiz M Tahir, Arooj Zaheer, Aroosa Rasheed, Muhamamd K Mukhtar, Rabia Yaqoob, **Iram Liaqat**, Muhammad M Ahsan. 2018. Silk of *Pholcus phalangioides* (Araneae: Pholcidae) (Fuesslin, 1775) spider as antibacterial agent. *Acta Zool. Bulg.* **70(4)**: 593-598. (IF=0.413).
28. Anjum Jabeen, Dr.Muhammad Rauf Tahir, Uzma Ramzan, Sidra Nazeer, Zunnu Raen Akther, **Iram Liaqat**. 2018. Antimicrobial activity of orange extract on selective oral biofilm bacteria. *Int. J. Scient. Res. Pub.* **8(10)**: 324-328.
29. Waseem Arshad, **Iram Liaqat**, 2018. Isolation and characterization of biosurfactants producing bacteria from contaminated environment. *Int. J. Appl. Biol. Forens.*, **2(3)**: 220-232.
30. **Iram Liaqat**, Naila Riaz, Quar-tul-ain Saleem Hafiz Muhammad Tahir, Muhammad Arshad, Najma Arshad. 2019. Identification of virulence factors in contact lens associated bacteria: A physiological approach. *Cont. Lens Anterior Eye.* **42(2)**:159-164. (IF=1.865)
31. **Iram Liaqat**, Mishal Liaqat, Shoukat Ali, Nazish Mazhar Ali, Uzma Haneef U, Safdar Ali Mirza SA, Hafiz Muhammad Tahir. 2019. Biofilm Formation, Maturation and Prevention: A Review. *J. Bact. Myco.*, **6(1)**: 1-4.
32. Mishal Liaqat, Rizwan Liaqat Awan, **Iram Liaqat**, Raja Sajjad Asghar, 2018. Assessment of Child Rights Awareness among Pediatric Doctors and Nurses in Tertiary Hospitals, Lahore. *Int. J. Car. Sci.*, **11(3)**: 1623-1630.
33. Ayesha Riaz, Saleha Noureen, **Iram Liaqat**, Muhammad Arshad, Najma Arshad. 2019. Antilisterial efficacy of *Lactobacillus brevis* MF179529 from cow: an *in vivo* evidence. *BMC Complement Altern Med.* **19**: 37.(IF: 2.288).
34. Shaukat Ali, Rashid Mahmood, Areesha Muneer, Maryam Khalil, Nazish Sheikh, Saiqa Andleeb, **Iram Liaqat**, Komal Ashfaq Kiani, Nazish Muzhar Ali and Muhammad Ali Shah. 2019. Assessment of Spring Water Microbiology and role of *Typha angustata* as Biosorbant. *Water Environ. Res.*, doi: 10.1002/wer.1182. [Epub ahead of print] (IF: 0.825)

NATIONAL PUBLICATIONS

35. **Iram Liaqat**, Muhammad Arshad, Najma Arshad., 2009. "Changes in selected blood biochemical components of industrial workers occupationally exposed to textile dyes A preliminary study. *Pak. J. Zoo (Pakistan)*., **41**: 61-65(IF= 0.491). Cit: 1. (IF=0.478)
36. **Iram Liaqat**, Mohammad Arshad, Raheela Arshad and Najma Arshad., 2009. Exposure to textile chemicals leads to microcytic anemia and hypersensitivity in textile workers. *Pak. J. Zoo (Pakistan)*. **41**: 381-387. (IF=0.491).
37. **Iram Liaqat**, Najma Arshad, Amina Naseem. 2015. Bacterial colonization and biofilm formation in minimally processed fruit of *Olea europaea*. *Biologia (Pakistan)*. **61(2)**: 293-299. (Y-category).
38. **Iram Liaqat**, Amna Tariq, Ayesha Jamil, Sadaf Amin. 2015. Isolation and characterization of biofilm formation of microbes from Children nails, ear, earphones and feeding bottles. *Biologia (Pakistan)*. **61(1)**: 55-62. (Y-category).
39. **Iram Liaqat**, Quratulain Pervaiz, Sidra Jamil Bukhsh, Saiyed I. Ahmed, Nusrat Jahan. 2015. Investigation bactericidal effects of medicinal plants extracts on clinical isolates and monitoring their biofilm forming potential. *Pak. Vet. J.* **36(2)**: 159-164(IF= 0.822). Cit 04

40. Shazia Irfan, Asima Rani, Syed Kashif Nawaz, Maryam Sameem, **Iram Liaqat**, Muhammad Arshad., 2016. Association of rs1800668 polymorphism in glutathione peroxidase- 1 gene and risk of rheumatoid arthritis in Pakistani population. *Pak. J. Med. Sci.* **32 (5)**:1204–1207. (IF=0.86).
41. **Iram Liaqat**, Najma Arshad, Muhammad Arshad, Safdar Ali Mirza, Nazish Mazhar Ali and Ammara Shoukat. 2017. Antimicrobial activity of some medicinal plants extracts against food industry isolates. *Pak. J. Zoo (Pakistan)*. **49(2)**: 523-530. (IF=0.491) Cit 01
42. **Iram Liaqat**, Najma Arshad, Sadia Samreen, Muhammad Nasir Hayat Malik & Muhammad Arshad. 2016. Antimicrobial compounds from lactic acid bacteria (LAB) and their mode of action: A mini review. *Biologia (Y-Category)*: 62 (2), 331-337.
43. Aasma Ashraf, Arifa Mehreen, **Iram Liaqat**, Muhammad Arshad, Najma Arshad. 2016. Prevalence of resistant strains of *Staphylococcus aureus* in throat samples of healthy local and nigerian students residing in Lahore, Pakistan. *Biologia (Y-Category)*: 62 (2), 281-288.
44. Nazish Mazhar Ali, Khadija Sarwar, Syed Abdullah Mazhar, **Iram Liaqat**, Saiqa Andleeb, Bushra Mazhar, Bushra Kalim. 2017. Effect of medicinal plants, heavy metals and antibiotics against pathogenic bacteria isolated from raw, boiled and pasteurized milk. *Pak. J. Pharm. Sci.* **30 (6)**: 2173-2182. (IF=0.649)
45. **Iram Liaqat**, Najma Arshad, Gulbeena Saleem & Muhammad Zain-Ul-Abideen. 2017. *Desulfovibrio vulgaris*, biofilm formation and T3SS Inhibition. *Biologia (Y-Category)*. **63 (1)**: 115-123.
46. Nazish Mazhar Ali, Safia Rehman, **Iram Liaqat**, Bushra Mazhar, Gerald Pier. 2018. *In vitro* Susceptibility of isolates of *Pseudomonas aeruginosa* from acute and chronic pulmonary infections to antibiotics, *Lactobacillus* competition and metal nanoparticles. *Pak J. Zoo.* **50 (6)**:2165-2171. (IF=0.547).
47. **Iram Liaqat**, Safdar Ali Mirza, Riffat Iqbal, Gulbeena Saleem, Nazish Mazhar Ali and Samia Majid. 2018. Flagellar Motility plays important role in biofilm formation of *Bacillus cereus* and *Yersinia enterocolitica*. *Pak. J. Pharm. Sci.* **31 (5sup)**: 2047-2052. (IF=0.649).
48. Arifa Mehreen, **Iram Liaqat**, Muhammad Arshad, Muzzamil Waheed, Najma Arshad, 2018. Characterization of *Staphylococcus aureus* from sore throat patients: association among host immune evasion and toxin genes. *Pak J. Zoo.*, **50(6)**: 2261-2272 (IF=0.547)
49. Ayesha Riaz, Saleha Noureen, Muhammad Fiaz Qamar, **Iram Liaqat**, Muhammad Arshad and Najma Arshad, 2018. Characterization of bacteriocin like inhibitory substances from *Enterococcus ratti* MF183967. *Pak Vet J.*, **39(1)**: 1-6. (IF=1.217)
50. **Iram Liaqat**, Mishal Liaqat, Hafiz Muhammad Tahir, Ikram-ul-Haq Nazish Mazhar Ali, Muhammad Arshad, Najma Arshad. 2019. Motility effects biofilm formation in *Pseudomonas aeruginosa* and *E. cloacae*. *Pak. J. Pharm. Sci.*, **32(3)**: 927-932. (IF=0.804)
51. **Iram Liaqat**, Nazish Mazhar Ali, Najma Arshad, Riffat Iqbal, Zain-ul-Abideen. 2019. Role of Salicylidene Acylhydrazide and proteases in biofilm inhibition of *Desulfovibrio* spp. *Pak J. Zoo.*, **51(5)**: 1783-1791 (IF=0.790).
52. Asima Bano, Hafiz Muhammad Tahir, Hira Sherawat, Muhammad Mutlib, Muhammad Arshad, Muhammad Akram Qazi, Sajida Naseem, Rabia Ishaq, **Iram Liaqat**, 2018. Levels of monooxygenases and glutathione S-Transferases in breast cancer patients. *Pun. Uni. J. Zoo.*, (Y-Category), **33(2)**: 199-203.
53. Asma Ashraf, Nazish Mazhar Ali, **Iram Liaqat**, Bushra Mazhar, Shaukat Ali and Saiqa Andleeb. 2019. Biochemical Characterization of Bacterial Pathogens from Corneal Eye Infections and their Control via Chemotherapy, Phytotherapy and Apitherapy. *J. Innov. Sci.*, (Z-Category). Accepted.

BOOK CHAPTERS

1. **Iram Liaqat**, Nadya Gotsiridze-Columbus., 2010. Biofilms: Formation, Development and Properties. Biotechnology in Agriculture, Industry and Medicine e book series. Nova Publishers. ISBN: 978-1-61728-812-8, pp. 609-620.
2. **Iram Liaqat**, Anjum Nasim Sabri. 2010. Multiple approaches to control dental unit water line biofilm contamination, "Current Research, Technology and Education Topics in Applied Microbiology and Microbial Biotechnology" (Microbiology Book Series, number #2), pp. 818-826. FORMATEX RESEARCH CENTER - C/ Zurbaran, 1, 2nd Floor, Office 1, 06002 Badajoz, ISBN: 978-84-614-6194-3. Spain

3. **Iram Liaqat**. 2011. Implication of Enterotoxigenic *Escherichia coli* pathogenicity from human perspective. Biology Research Updates e book series. Nova Publishers, ISBN: 978-1-61122-859-5. pp. 139-148. (<https://searchworks.stanford.edu/view/10201965>).
4. **Iram Liaqat**, Nadya Gotsiridze-Columbus. 2011. Bioluminescence: Characteristics, Adaptations and Biotechnology. E book series. ISBN:978-1-61209-747-3. Nova Publishers, pp. 97-114.