

PUBLICATIONS

PUBLICATIONS:

2020

1. Unzila Yasin, Muhammad Bilal, Hamid Bashir, Muhammad Imran Amirzada, **Aleena Sumrin** and Dr Muhammad Hassham Hassan Bin Asad. Preparation and Nanoencapsulation of Lectin from *Lepidium sativum* on Chitosan-Tripoly Phosphate Nanoparticle and their Cytotoxicity against Hepatocellular Carcinoma Cells (HepG2)" *BioMed Research International* **Impact factor: 2.583**
Accepted

2019

2. Ramzan, I., Chaudhry, A., Bashir, H., Bilal, M. and **Sumrin, A.**, 2019. 77. Comparative study of alpha amylase producing mutated and unmutated *Bacillus* strains by taking cost effective measures. *Pure and Applied Biology (PAB)*, 8(2), pp.1789-1800. (HEC recognized Y-category)

2018

3. Sana Usman, Zara Naz, Komal Saleem, Hamid Bashir*, Muhammad Bilal & **Aleena Sumrin**. The countermeasure for Zika virus: a hard nut to be cracked. *Future Science Group*. (Epub ahead of print) 10.2217/fvl-2018-0018. Future Science Group. **Impact factor: 0.958** (2018), **ISSN: 1746-0794** (print); 1746-0808 (web)
4. Naz, Zara, Sana Usman, Komal Saleem, Sara Ahmed, Hamid Bashir, Muhammad Bilal, and **Aleena Sumrin**. "Alpha-fetoprotein: A fabulous biomarker in hepatocellular, gastric and rectal cancer diagnosis." *Biomedical Research* 29, no. 12 (2018): 2478-2483. **I.F 0.67**
5. **Sumrin Aleena**, Shumaila Moazzam, Aleena Ahmad Khan, Irsa Ramzan, Zunaira Batool, Sana Kaleem, Moazzam Ali, Hamid Bashir, and Muhammad Bilal. "Exosomes as Biomarker of Cancer." *Braz. Arch. Biol. Technol* 61 (2018): e18160730. **I.F 0.74**

2017

6. Shahzadi Javeed, Maha Almas, Muhammad Shahid, **Aleena Sumrin**, Hamid Bashir, Muhammad Bilal, Zafar Saleem, Ghulam Zahra Jahangir, Samia Afzal, Muhammad Idrees, Iram Amin: *Review Nrf2: A MASTER REGULATOR OF CELLULAR DEFENSE MECHANISM AND A NOVEL THERAPEUTIC FACTOR*. *Pakistan Journal of Biotechnology* 01/2017; ISSN.1812-1837. Vol. Issue.14(1): page. 121-126. 2017. **I.F 0.26**
7. Khan, Khushbukhat, Muhammad Adeel Aslam, Fatima Tuz Zahra, Hamid Bashir, Muhammad Bilal, and **Aleena Sumrin**. "Potential biomarkers for the diagnosis of respiratory tract infection and lungs cancer." *Cell Mol Biol (Noisy le Grand)* 63, no. 11 (2017). **Doi: <http://dx.doi.org/10.14715/cmb/2017.63.11.9>**. **I.F 1.463**

8. Wahid, Braira, Hamid Bashir, Muhammad Bilal, Khansa Wahid, and Aleena Sumrin. "Developing a deeper insight into reproductive biomarkers." *Clinical and experimental reproductive medicine* 44, no. 4 (2017): 159-170. **I.F 1.63**

2016

9. Controversies: Stem Cell Research. Kausar Malik*, Khadija Sabir , Naveera Shabir, Numrah Nisar, Muhammad Hamza Basit, Muhammad Idrees Khan, Hafiza Samra Ambreen, **Aleena Sumrin** and Halima Sadia. *Bull. Env. Pharmacol. Life Sci.*, Vol 5 [5] April 2016: 77-83. **I.F 0.982**
10. Role of FAS in Apoptosis. Kausar Malik, Khadija Asif, Ammara Jamil, Anam Arshad, Muhammad Hamza Basit, Hafiza Samra Ambreen, **Aleena Sumrin**, Halima Sadia and Numrah Nisar. *Bull. Env. Pharmacol. Life Sci.*, Vol 5[5] April 2016: 84-86 **I.F 0.982**
11. Jahangir, Ghulam Zahara, Faiza Saleem, Shagufta Naz, Neelma Munir, Rukhama Haq, and **Aleena Sumrin**. "Thyroid hormone dependent gene expression." *Advancements in Life Sciences* 3, no. 4 (2016): 119-124. **Y-Category**
12. Javed, Zeeshan, Mukhtar Ullah, Hafiz Ahsan Ashfaq, Afzaal Hussain Shah, Muhammad Shahzad, Muhammad Bilal, **Aleena Sumrin**, Hamid Bashir, Muhammad Hassan Siddiqi, and Haleema Sadia. "Role of MicroRNA in Endometrial Carcinoma." *Advancements in Life Sciences* 4, no. 1 (2016): 08-13. **Y-Category**
13. Wardah Safdar, Maria Aftab, Beenish Saddique, Irsa Akhtar, Hamid Bashir, Muhammad Bilal, **Aleena Sumrin*** Methodological development of cytokine as a biomarker. *International Journal of Biosciences* Vol. 9, No. 6, p. 55-65, 2016 <http://dx.doi.org/10.12692/ijb/9.6.55-65> **I.F 0.553**
14. Sabar, M.F., Ghani, M.U., Shahid, M., Sumrin, A., Ali, A., Akram, M., Tariq, M.A. and Bano, I., 2016. Genetic variants of ADAM33 are associated with asthma susceptibility in the Punjabi population of Pakistan. *Journal of Asthma*, 53(4), pp.341-348. **I.F 1.854**

2011

15. **Aleena Sumrin**, Waqar Ahmad*, Bushra Ijaz, Muhammad Tahir Sarwar, Sana Gull, Humera Kausar, Imran Shahid, Shah Jahan, Sultan Asad, Mureed Hussain and Sheikh Riazuddin. Purification and medium optimization of alpha amylase from *Bacillus Subtilis* 168. *African Journal of Biotechnology* Vol. 10(11), pp. 2119-2129, 14 March, 2011 **I.F 1.08**
16. Waqar Ahmad, Bushra Ijaz, Sana Gull, Sultan Asad, Shah Jahan, Saba Khaliq, Muhammad T Sarwar, Humera Kausar, **Aleena Sumrin**, Imran Shahid and Sajida Hassan A brief review on molecular, genetic and imaging techniques for HCV fibrosis evaluation. *Virology Journal*. 2011, 8:53. Doi: 10.1186/1743-422X-8-53. **I.F 3.35**

17. Muhammad Ilyas, Sultan Asad, Liaqat Ali, Masaud Shah, Sadaf Badar, Muhammad Tahir Sarwar and **Aleena Sumrin**. A situational analysis of HIV and AIDS in Pakistan. *Virology Journal* 2011, 8:191 doi: 10.1186/1743-422X-8-191. **I.F 3.35**
18. Waqar Ahmad, Bushra Ijaz, Fouzia T Javed, Sana Gull, Humaira Kausar, Muhammad T Sarwar, Sultan Asad, Imran Shahid, **Aleena Sumrin**, Saba khaliq, Shah Jahan, Asim Perwaiz and Sajida Hassan. A comparison of four fibrosis indexes in chronic HCV: development of new fibrosis, cirrhosis index (FCI). *BMC Gastroenterology* 2011, **11**:44 doi:10.1186/1471-230X-11-44 **I.F 3.84**
19. Muhammad T Sarwar, Humera Kausar, Bushra Ijaz, Waqar Ahmad, Muhammad Ansar, **Aleena Sumrin**, Usman A Ashfaq, Sultan Asad, Sana Gull, Muhammad Ilyas, Imran Shahid and Sajida Hassan. NS4A protein as a marker of HCV history suggests that different HCV genotypes originally evolved from genotype 1b *Virology Journal* 2011, 8:317 doi:10.1186/1743-422X-8-317 **I.F 3.35**
20. **Bushra Ijaz^{1†}, Waqar Ahmad^{1†}, Fouzia T Javed², Sana Gull¹, Muhammad T Sarwar¹, Humera Kausar¹, Sultan Asad¹, Shah Jahan¹, Saba Khaliq¹, Imran Shahid¹, Aleena Sumrin¹ and Sajida Hassan^{1*}** Association of laboratory parameters with viral factors in patients with hepatitis C. *Virology Journal* 2011, **8**:361 doi:10.1186/1743-422X-8-361 **I.F 3.35**
21. Shah Jahan, Saba Khaliq, Nadeem Afzal, Ghulam Mujtiba, Waqar Ahmad, Bushra Ijaz, **Aleena Sumrin**, Usman Ali Ishfaq, Sajida Hassan. Regulation of Apoptosis by HCV. *IJAVMS*. 2011; 5(4): 438-443. [doi:10.5455/ijavms.20110810073204](https://doi.org/10.5455/ijavms.20110810073204) **I.F 2.84**
22. Resistance of Polio to its Eradication in Pakistan. Masaud Shah, Muhammad Kazim Khan, Saleha Shakeel, Faiza Mahmood, Zunaira Sher, Muhammad Bilal Sarwar, **Aleena Sumrin***. *Virology Journal* 2011, **8**:457 doi:10.1186/1743-422X-8-457 **I.F 3.35**

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23. Ahmad Ali Shahid, Idrees Ahmad Nasir, Ahmad Usman Zafar, **Aleena Sumrin**, Bushra Chaudhary and Sheikh Riazuddin. 2003. The Use of CAMB Biopesticides to Control Pests of Rice (*Oryza Sativa*). *Asian Journal of Plant Sciences*. 2(15-16): 1079-1082. **I.F 0.92**

NOVEL SEQUENCES

2010

HCV 3a viral sequence/s data in Gen Bank with following accession numbers

HM135516
 HM135517
 HM135518
 HM135519
 HM135520

ABSTRACT/S:

- 1. ASSESSMENT OF THE CYTOTOXIC EFFECT OF SULFONAMIDE COMPOUNDS ON HEPG-2 CANCER CELL LINES** Beenish Sadique and **Aleena Sumrin** at 18th Shaukat Khanum Cancer Symposium held at Pearl Continental Hotel Lahore, Pakistan from November 01 - 03, 2019.
2. Assessment of the cytotoxic effect of sulfonamide compoundson HepG-2 cell lines. Beenish Sadique and **Aleena Sumrin** in Punjab University (ICPU 2019) entitled Recent innovations in Molecular Sciences, on 6-8th November, 2019 at Faisal Auditorium, University of the Punjab, Lahore.
3. Comparitive studies of the cytotoxic potential of plant lectins isolated from *Celosia cristata* and *Digera muricata*. Rubab Amin, **Aleena Sumrin**, Hamid Bashir, Muhammad Bilal. in Punjab University (ICPU 2019) entitled Recent innovations in Molecular Sciences, on 6-8th November, 2019 at Faisal Auditorium, University of the Punjab, Lahore.
4. Isolation n Partial Characterization of Lectin from *Iberis umbellate* to check its anti-cancerous activity. Maham Khalid, Muhammad Bilal and **Aleena Sumrin** in Punjab University (ICPU 2019) entitled Recent innovations in Molecular Sciences, on 6-8th November, 2019 at Faisal Auditorium, University of the Punjab, Lahore
5. GENETIC ASSOCIATION OF ADAM33'S SNP VARIANTS WITH ASTHMA IN THE POPULATION OF LAHORE REGION, PAKISTAN Muhammad Farooq Sabar, Muhammad Usman Ghani, Mariam Shahid, **Aleena Sumrin**, Amjad Ali, Muhammad Akram, Farheena Iqbal Awan, Muhammad Akram Tariq. Asian J Agri Biol, Special Issue-2015
6. "MOLECULAR MECHANISMS OF ANTHRACYCLINE INDUCED MULTI DRUG RESISTANCE IN PC3 AND HCT-116 HUMAN CANCER CELLS" in A 2nd International Symposium on "Advances in Molecular Biology of Plant & Health Sciences, from Nov 21st- 23rd 2017, At CEMB, PU, Lahore. by Shumaila Moazzam & **Aleena Sumrin**
7. Assessment of the cytotoxic potential of novel cephalosporin compounds on hepg-2, in AI and Big Data in Cancer: From Innovation to Impact, in **November 15-17, 2020, Boston, USA, by Beenish Saddique & Aleena Sumrin (Accepted)**