

# Sobia Manzoor

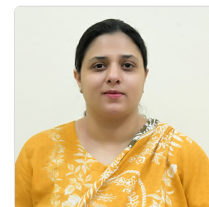
Professor

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## About

Dr. Sobia Manzoor is working as Professor in the Atta-Ur-Rahman School of Applied Biosciences. Dr. Sobia Manzoor has a PhD in Molecular Virology. Dr. Sobia Manzoor has published 85 research articles & conference papers having a citation count of 1375, carried out 8 projects and filed 4 intellectual property.

## Qualifications

<b>PhD in Molecular Virology</b> University of Veterinary & Animal Science , Pakistan	2006 - 2011
<b>MPhil in Molecular Stem Cell Biology</b> University of the Punjab , Pakistn (Duplicate)	2004 - 2006
<b>MSc in Zoology</b> University of the Punjab , Pakistan	2001 - 2003

## Experience

<b>Professor</b> Atta-Ur-Rahman School of Applied Biosciences	2022- Present
<b>Associate Professor</b> Atta-Ur-Rahman School of Applied Biosciences	2017 - 2022
<b>Assistant Professor</b> Atta-Ur-Rahman School of Applied Biosciences	2012 - 2017
<b>Assistant Professor</b> Atta-Ur-Rahman School of Applied Biosciences	2011 - 2012
<b>Tenured Associate Professor</b> ASAB , Atta-ur-Rahman School of Applied Bio-Sciences (ASAB), NUST, H12, Islamabad	2011 - 2022

## Awards

<b>ASAB Best Innovator 2019</b> ASAB Best Innovator for the year 2019	2020
<b>ASAB Best Researcher 2017</b> ASAB Best researcher of the year 2017	2017
<b>PAMS-Young Scientist 2015</b> Pakistan Academy of Medical Sciences (PAMS) Young Scientist, Gold Medal, 2015	2015

Research Projects

National Projects

Analyzing the anti-viral and liver tissue regenerative potential of IL-6 and IL-22 in viral and non-viral associated hepatocellular carcinoma	2022
Funding Agency: HEC	
Amount: PKR 8,867,000.00	
Status: Completed	
Hepatitis C Virus Management in Pakistan	2008
Funding Agency: PAK-US	
Amount: PKR 47,343,000.00	
Status: Completed	
Development of bioactive hospital textiles and protective suits against viruses and bacteria by immobilization of nanomaterials	2020
Funding Agency: HEC and Islamic Development Fund	
Amount: PKR 14,856,620.00	
Status: Completed	
Development of new multi-target Inhibitor against Hepatitis Infection based on Barbituric Acid Derivative	2011
Funding Agency: HEC	
Amount: PKR 500,000.00	
Status: Completed	
Discovery and Validation of Circulating Protein Biomarker Panels for Diagnosing Hepatocellular Carcinoma	2019
Funding Agency: HEC	
Amount: PKR 6,140,000.00	
Status: Completed	
Development of New Multi-target Inhibitor Against Hepatitis-C Infection Based on Barbituric Acid Derivatives	2011
Funding Agency: HEC Pakistan	
Amount: PKR 500,001.00	
Status: Completed	
Analyzing the Tumor Educated Platelets (TEP) as Potential Bio-Marker in Molecular Diagnosis of Liver Cancer: A minimally Invasive Approach alternative to Tissue Biopsy	2017
Funding Agency: HEC	
Amount: PKR 4,760,000.00	
Status: Completed	
Designing, establishment and validation of non-invasive diagnostic kit of endemic viral infections in Pakistan.	2017
Funding Agency: HEC, PAKISTAN	
Amount: PKR 4,200,000.00	
Status: Completed	

International Projects

Research Articles

Bayesian evaluation of phage therapy efficacy against multidrug-resistant Acinetobacter baumannii	2025
Momna Arooj Malik Sobia Manzoor Javed Ashraf	
International Journal of Antimicrobial Agents, Volume:66, Issue:2, Article Number 107508	
Impact Factor: 4.900   Quartile: 1   Citations: 1	
DOI: <a href="https://doi.org/10.1016/j.ijantimicag.2025.107508">https://doi.org/10.1016/j.ijantimicag.2025.107508</a>	
Support Vector Machine Outperforms Other Machine Learning Models in Early Diagnosis of Dengue Using Routine Clinical Data	2024
Ariba Qaiser Sobia Manzoor Asraf Hussain Hashmi Hasnain Javed Anam Zafar Javed Ashraf	
Advances in Virology, Volume 2024, Article ID 5588127, 9 pages	
Impact Factor: 1.100   Quartile: 4   Citations: 1	
DOI: <a href="https://doi.org/10.1155/2024/5588127">https://doi.org/10.1155/2024/5588127</a>	

<b>Chemical Profile, Antibacterial Activity and Antioxidant Activity of Bark Volatile Oil of Terminalia arjuna</b> <i>Mahd Rauf Azeem Intisar Sobia Manzoor Uzma Qaisarc Shehar Bano Ejaz Ahmed Zeeshan Mutahir Noor Ul Ain</i> <i>Chemistry and Biodiversity</i> , Volume: 21, Issue: 10, Article Number: e202400951 <b>Impact Factor:</b> 2.300   <b>Quartile:</b> 3 <b>DOI:</b> 10.1002/cbdv.202400951	2024
<b>Extracellular Vesicles Contribute to Viral-Induced Hepatocellular Carcinoma: Understanding Their Involvement in Viral Hepatitis and Their Potential as Biomarkers for Early Hepatocellular Carcinoma Detection</b> <i>Fatima Tahir Mariya Farooq Maliha Ashraf Malik Sobia Manzoor</i> <i>Viral Immunology</i> , Vol: 37, No. 3, Pages:159-166 PubMed: 38588555 <b>Impact Factor:</b> 2.2   <b>Quartile:</b> 4   <b>Citations:</b> 1 <b>DOI:</b> 10.1089/vim.2023.0151	2024
<b>The potential of IFN-λ, IL-32γ, IL-6, and IL-22 as safeguards against human viruses: a systematic review and a meta-analysis</b> <i>Areej A. Sattar Ariba Qaiser Hina Kausar Sarah Aqil Rida Mudassar Sobia Manzoor Javed Ashraf</i> <i>Frontiers in Immunology</i> , Volume 15, Article Number 1303115 <b>Impact Factor:</b> 7.300   <b>Quartile:</b> 1 <b>DOI:</b> 10.3389/fimmu.2024.1303115	2024
<b>Antioxidants and Calcium Modulators Preclude in Vitro Hepatitis B Virus–Induced Mitochondrial Damage</b> <i>Aneela Javed Kehkshan Jabeen Shaheen Shahzad Sobia Manzoor</i> <i>Turkish Journal of Gastroenterology</i> , Volume 34, Issue 10, Pages 1052-1061 <b>Impact Factor:</b> 1.2   <b>Quartile:</b> 4   <b>Citations:</b> 1 <b>DOI:</b> 10.5152/tjg.2023.21290	2023
<b>Interleukin-22 promotes the proliferation and migration of hepatocellular carcinoma cells via the phosphoinositide 3-kinase (PI3K/AKT) signaling pathway</b> <i>Fizzah Mansur Tanzeela Arshad Vaclav Liska Sobia Manzoor</i> <i>Molecular Biology Reports</i> , Volume 50, Issue 7, Pages 5957-5967 <b>Impact Factor:</b> 2.8   <b>Quartile:</b> 3   <b>Citations:</b> 5 <b>DOI:</b> <a href="https://doi.org/10.1007/s11033-023-08542-x">https://doi.org/10.1007/s11033-023-08542-x</a>	2023
<b>Pilot-scale production of highly durable bioactive and UV-protective cotton fabric by electroless deposition of copper oxide on cotton fabric</b> <i>SOBIA MANZOOR Anum Nosheen Madiha Khalid Munir Ashraf Zhebin Xue Saba Akram Daniyal Sajid Khan Sidra Urooj Asraf Hussain Hashmi</i> <i>Cellulose</i> , Volume:30, Issue:4, Page:2573-2595 <b>Impact Factor:</b> 6.123   <b>Quartile:</b> 1   <b>Citations:</b> 17 <b>DOI:</b> 10.1007/s10570-022-05009-3	2023
<b>Development of novel antiviral nanofinishes for bioactive textiles</b> <i>Farheen Afzal Munir Ashraf Sobia Manzoor Humaira Aziz Anum Nosheen Shagufta Riaz</i> <i>Polymer Bulletin</i> , Polymer Bulletin <b>Impact Factor:</b> 2.843   <b>Quartile:</b> 3   <b>Citations:</b> 16 <b>DOI:</b> <a href="https://link.springer.com/article/10.1007/s00289-022-04461-2">https://link.springer.com/article/10.1007/s00289-022-04461-2</a>	2022
<b>P2X4 receptors mediate induction of antioxidants, fibrogenic cytokines and ECM transcripts; in presence of replicating HCV in in vitro setting: An insight into role of P2X4 in fibrosis</b> <i>Sobia Manzoor Madiha Khalid Muhammad Idrees</i> <i>PLoS ONE</i> , Volume:17, Issue:5 May, <b>Impact Factor:</b> 3.240   <b>Quartile:</b> 2   <b>Citations:</b> 2 <b>DOI:</b> 10.1371/journal.pone.0259727	2022
<b>Emergence and Persistence of Resistance-Associated Substitutions in HCV GT3 Patients Failing Direct-Acting Antivirals</b> <i>Sobia Manzoor Saima Mushtaq Asraf Hussain Hashmi Amjad Khan Syed Muhammad Asad Raza Kazmi</i> <i>Frontiers in Pharmacology</i> , Volume 13, Article Number 894460 <b>Impact Factor:</b> 5.810   <b>Quartile:</b> 1   <b>Citations:</b> 12 <b>DOI:</b> 10.3389/fphar.2022.894460	2022
<b>Platelets' RNA as biomarker trove for differentiation of early-stage hepatocellular carcinoma from underlying cirrhotic nodules</b> <i>SOBIA MANZOOR Walifa Waqar Sidra Asghar</i>	2021

**The global emergence of Chikungunya infection: An integrated view**

2021

*SOBIA MANZOOR Farakh Javed Khanzadi Nazneen Manzoor Muhammad Ejaz Mubashar Ali Neelam Mujaddadi Abid Ali Khan Aamer Ali Khattak Assad Zaib Ibrar Ahmad Waqar Khalid Saeed*

*REVIEWS IN MEDICAL VIROLOGY*, 2021;e2287. doi:10.1002/rmv.2287, 1-13

**Impact Factor:** 6.989 | **Quartile:** 1 | **Citations:** 31

**DOI:** <https://doi.org/10.1002/rmv.2287>

**Direct-acting antiviral agents in the treatment of chronic hepatitis C-Real-life experience from clinical practices in Pakistan**

2020

*Saima Mushtaq Atika Mansoor Muhammad Umar Amjad Khan Saima Siddiqi Sobia Manzoor*

*Journal of Medical Virology*, Volume 92, Issue 12, Pages 3475-3487

**Impact Factor:** 2.327 | **Quartile:** 4 | **Citations:** 11

**DOI:** <https://doi.org/10.1002/jmv.25745>

**Comparative analysis of Bacterial Vaginosis microbiota among pregnant and non-pregnant females and isolation of phages against *Enterococcus faecalis*, *Enterococcus faecium*, and *Shigella flexneri* strains**

2020

*Ayesha Javed Sobia Manzoor*

*Microbial Pathogenesis*, Volume 149, Article Number 104588

**Impact Factor:** 1.563 | **Quartile:** 3 | **Citations:** 8

**DOI:** <https://doi.org/10.1016/j.micpath.2020.104588>

**Tumor educated platelets, a promising source for early detection of hepatocellular Carcinoma: liquid biopsy an alternative approach to tissue biopsy**

2020

*Sidra Asghar Walifa Waqar Muhammad Umar Sobia Manzoor*

*Clinics and Research in Hepatology and Gastroenterology*, Volume 44, Issue 6, Pages 836-844

**Impact Factor:** 2.947 | **Quartile:** 3 | **Citations:** 23

**DOI:** <https://doi.org/10.1016/j.clinre.2020.03.023>

**Induction of Profibrotic Microenvironment via TLR4 MyD88-Dependent and -Independent Inflammatory Signaling in Chronic Hepatitis C Virus Infection**

2020

*Sarah Khalil Maliha Ashraf Malik Kandeel Shafique Sarah Gul Farakh Javed Sobia Manzoor Sarah Khalil Maliha Ashraf Malik Kandeel Shafique Sarah Gul Farakh Javed*

*Viral Immunology*, Volume 33 Issue 9, Pages 585-593

**Impact Factor:** 2.175 | **Quartile:** 4 | **Citations:** 5

**DOI:** <https://doi.org/10.1089/vim.2019.0175>

**A Double Edged Sword Role of Interleukin-22 in Wound Healing and Tissue Regeneration**

2020

*Tanzeela Arshad Sobia Manzoor Fizzah Mansur Richard Palek Vaclav Liska Tanzeela Arshad Fizzah Mansur Richard Palek Vaclav Liska*

*Frontiers in Immunology*, Volume 11, Article Number 2148

**Impact Factor:** 7.561 | **Quartile:** 1 | **Citations:** 81

**DOI:** doi: 10.3389/fimmu.2020.02148

**Efficacy and Safety of Generic Sofosbuvir Plus Daclatasvir and Sofosbuvir/Velpatasvir in HCV Genotype 3-Infected Patients: Real-World Outcomes From Pakistan**

2020

*Sobia Manzoor Saima Mushtaq Tayyab Saeed Akhter Amjad Khan Aamir Sohail Arshad Khan*

*Frontiers in Pharmacology*, Volume 11, Article Number 550250

**Impact Factor:** 5.811 | **Quartile:** 1 | **Citations:** 19

**DOI:** doi: 10.3389/fphar.2020.550205

**A comparative analysis of interferons and direct-acting antivirals on the expression of genes involved in hepatitis C pathogenesis**

2020

*Mariya Farooq Mahd Rauf Fatima Tahir Sobia Manzoor*

*Journal of Medical Virology*, Pages 1-6

**Impact Factor:** 2.327 | **Quartile:** 4 | **Citations:** 2

**DOI:** 10.1002/jmv.26351

**Mechanistic study of interaction between IL-22 and HCV core protein in the development of hepatocellular carcinoma among liver transplant recipients**

2020

*Saleha Resham Muhammad Saalim Sobia Manzoor Hassam Ahmad Tariq Ali Bangash Amer Latif Shahla Jaleel*

*Microbial Pathogenesis*, Volume 142, Article Number 104071

<b>Impact Factor: 3.738   Quartile: 2   Citations: 10</b> <b>DOI: <a href="https://doi.org/10.1016/j.micpath.2020.104071">https://doi.org/10.1016/j.micpath.2020.104071</a></b>	
<b>CD81(+) Exosomes Play a Pivotal Role in the Establishment of Hepatitis C Persistent Infection and Contribute Toward the Progression of Hepatocellular Carcinoma</b> <i>Maliha Ashraf Malik Javeria Ishtiyag Ali Mirza Muhammad Umar Sobia Manzoor</i> <i>Viral Immunology</i> , Vol. 32, No. 10, Pages 453-462 <b>Impact Factor: 1.716   Quartile: 4   Citations: 25</b> <b>DOI: DOI: 10.1089/vim.2019.0077</b>	2019
<b>Role of purinergic receptors in hepatobiliary carcinoma in Pakistani population: an approach towards proinflammatory role of P2X4 and P2X7 receptors</b> <i>Sobia Maznoor Arun Asif Madiha Khalid Hassam Ahmad Aman Ur Rehman</i> <i>Purinergic Signalling</i> , Volume 15 Issue 3 Page: 367-374 <b>Impact Factor: 3.065   Quartile: 2   Citations: 42</b> <b>DOI: 10.1007/s11302-019-09675-0</b>	2019
<b>Multifaceted role of cancer educated platelets in survival of cancer cells</b> <i>Sobia Manzoor Sidra Asghar Fahed Parvaiz</i> <i>THROMBOSIS RESEARCH</i> , Volume 177 Pages 42-50 <b>Impact Factor: 2.869   Quartile: 2</b> <b>DOI: 10.1016/j.thromres.2019.02.026.</b>	2019
<b>Pre-emptive dengue control strategy in Pakistan</b> <i>Farakh Javed Muhammad Hamza Sobia Manzoor Fizzah Mansur Rasool Khan</i> <i>Journal of Medical Virology</i> , Volume 91, Issue 4, Pages 523-524 <b>Impact Factor: 2.021   Quartile: 4</b> <b>DOI: <a href="https://doi.org/10.1002/jmv.25323">https://doi.org/10.1002/jmv.25323</a></b>	2019
<b>IL-22 in hepatocyte's survival of Pakistani patients with end stage liver disease: an insight into IL 22 mediated hepato-regenerative pathway</b> <i>Sobia Manzoor Muhammad Saalim Hassam Ahmad Tariq Ali Bangash Amir Latif Shahla Jaleel Saleha Resham</i> <i>Molecular Biology Reports</i> , Volume 46, Issue 1, Pages 1127-1138 <b>Impact Factor: 1.402   Quartile: 4   Citations: 5</b> <b>DOI: 10.1007/s11033-018-04573-x</b>	2019
<b>Bacterial vaginosis: An insight into the prevalence, alternative treatments regimen and it's associated resistance patterns</b> <i>Sobia Manzoor Ayesha Javeda Fahed Parvaiz</i> <i>Microbial Pathogenesis</i> , Volume: 127 Pages: 21-30 <b>Impact Factor: 2.914   Quartile: 3   Citations: 104</b> <b>DOI: 10.1016/j.micpath.2018.11.046</b>	2019
<b>Purinoreceptor expression in hepatocellular virus (HCV)-induced and non-HCV hepatocellular carcinoma: an insight into the proviral role of the P2X4 receptor</b> <i>Sobia Manzoor Madiha Khalid Hassam Ahmad Arun Asif Tariq Ali Bangash Amer Latif Shahla Jaleel</i> <i>Molecular Biology Reports</i> , Volume 45, Issue 6, Pages 2625-2630 <b>Impact Factor: 2.107   Quartile: 3   Citations: 23</b> <b>DOI: 10.1007/s11033-018-4432-0</b>	2018
<b>Interleukin-6 Rescues Lymphocyte from Apoptosis and Exhaustion Induced by Chronic Hepatitis C Virus Infection</b> <i>Sidrah Nadeem Sobia Manzoor Aneela Javed Sadaf Abbas</i> <i>Viral immunology</i> , Volume: 31 Issue: 9 Pages: 624-631 <b>Impact Factor: 1.417   Quartile: 4   Citations: 16</b> <b>DOI: 10.1089/vim.2018.0045</b>	2018
<b>HCV non-structural NS4A protein of genotype 3a induces mitochondria mediated death by activating Bax and the caspase cascade</b> <i>Sobia Manzoor Farakh Javed</i> <i>Microbial Pathogenesis</i> , Volume: 124 Pages: 346-355 <b>Impact Factor: 2.581   Quartile: 3   Citations: 7</b> <b>DOI: 10.1016/j.micpath.2018.08.065</b>	2018
<b>Metabolic syndrome: an update on diagnostic criteria, pathogenesis, and genetic links</b> <i>Uzma Zafar Saba Khaliq Hafiz Usman Ahmad Khalid P. Lone Sobia Manzoor</i>	2018

**Impact Factor:** 1.643 | **Quartile:** 4

**DOI:** 10.1007/s42000-018-0051

**Distribution of IL28B and IL10 polymorphisms as genetic predictors of treatment response in Pakistani HCV genotype 3 patients**

2018

*Humaira Naeemi Rabia Aslam Syed Mohsin Raza Muhammad Aiman Shahzad Shagufta Naz Sobia Manzoor Saba Khaliq Archives of Virology*, NULL

**Impact Factor:** 2.261 | **Quartile:** 3 | **Citations:** 11

**DOI:** 10.1007/s00705-018-3711-3

**Interleukin-6: A promising cytokine to support liver regeneration and adaptive immunity in liver pathologies**

2018

*Sidrah Naseem Tabinda Hussain Sobia Manzoor Cytokine and Growth Factor Reviews*, Volume 39, Pages 36-45

**Impact Factor:** 5.458 | **Quartile:** 1 | **Citations:** 54

**DOI:** 10.1016/j.cytogfr.2018.01.002

**Zika virus: what we need to know?**

2018

*Farakh Javed Khanzadi N. Manzoor Mubashar Ali Irshad U. Haq Abid A. Khan Assad Zaib Sobia Manzoor Journal of Basic Microbiology*, NULL

**Impact Factor:** 1.760 | **Quartile:** 4 | **Citations:** 50

**DOI:** 10.1002/jobm.201700398

**Zika Virus: Immune Evasion Mechanisms, Currently Available Therapeutic Regimens, and Vaccines**

2017

*Arun Asif Sobia Manzoor Fatima-Tuz-Zahra Muhammad Saalim Maliha Ashraf Javeria Ishtiyahq Madiha Khalid Viral Immunology*, NULL

**Impact Factor:** 1.531 | **Quartile:** 4 | **Citations:** 19

**DOI:** 10.1089/vim.2017.0046

**In-Vitro Transcription analysis of NS5A from HCV-3a circulating in Pakistani patients with chronic hepatitis C and their differential response to antiviral therapy**

2017

*Shameem Bhatti Sobia Manzoor Fahed Parvaiz Javed Ashraf Farakh Javed Pakistan Journal of Medical Sciences*, NULL

**Impact Factor:** 0.719 | **Quartile:** 4

**DOI:** 10.12669/pjms.335.12973

**Hepatitis C virus induces oxidative stress and DNA damage by regulating DNAPKCs, ATM, ATR and PARP mediated signaling and guards cell from cancerous condition by upregulating RB, P53 and downregulating VEGF**

2017

*Umar Saeed Zara Zahid Piracha Sobia Manzoor Acta Virologica*, Volume 61(3), Pages 316-323

**Impact Factor:** 0.696 | **Quartile:** 4 | **Citations:** 11

**DOI:** 10.4149/av\_2017\_310

**Quantitative evaluation of insulin resistance markers in Pakistani patients suffering from HCV-associated type 2 diabetes mellitus**

2017

*Shaista Sabir Fahed Parvaiz Muhammad Saalim Sobia Manzoor Ejaz Ghani Acta Virologica*, Volume: 61, Issue: 2, Pages: 197-203

**Impact Factor:** 0.696 | **Quartile:** 4 | **Citations:** 2

**DOI:** DOI:10.4149/av\_2017\_02\_10

**PTEN: A potential prognostic marker in virus-induced hepatocellular carcinoma**

2017

*Ayesha Khalid Tabinda Hussain Sobia Manzoor Muhammad Saalim Saba Khaliq Ayesha Khalid Tabinda Hussain Muhammad Saalim Saba Khaliq Tumor Biology*, Volume: 39, Issue: 6

**Impact Factor:** N/A | **Citations:** 38

**DOI:** DOI:10.1177/1010428317705754

**Carcinoma-specific expression of P2Y(11) receptor and its contribution in ATP-induced purinergic signalling and cell migration in human hepatocellular carcinoma cells**

2017

*Madiha Khalid Lucie Brisson Menahil Tariq Yunjie Hao Roseline Guibon Gaelle Fromont Sharifah Alawieyah Syed Mortadza Fatema Mousawi Sobia Manzoor Sebastien Roger Lin-Hua Jiang Oncotarget*, Volume: 8, Issue: 23, Pages 37278-37290

**Impact Factor:** N/A | **Citations:** 38

**DOI:** DOI:10.18632/oncotarget.16191

<b>Outbreak of chikungunya in Pakistan</b> <i>Mahd Rauf Fatima-tuz-Zahra Azra Mehmood Shameem Bhatti Mahd Rauf Fatima-tuz-Zahra Sobia Manzoor Azra Mehmood Shameem Bhatti</i> <i>The Lancet Infectious Diseases</i> , Volume 17, No. 3, Article Number 258 <b>Impact Factor:</b> 25.148   <b>Quartile:</b> 1   <b>Citations:</b> 56 <b>DOI:</b> DOI:http://dx.doi.org/10.1016/S1473-3099(17)30074-9	2017
<b>Structural Evaluation of Purinergic Receptor (P2x4) Receptor Interaction With HCV Envelop Protein E1: A Potential Target For Drug</b> <i>Madiha Khalid Sobia Manzoor</i> <i>International Journal of Advances in Science, Engineering and Technology</i> , Volume 4, Issue 3, Spl. Issue 2, Pages 58-62 <b>Impact Factor:</b> - <b>DOI:</b> -	2016
<b>Molecular epidemiology and clinical features of Hepatitis C Virus (HCV) in epidemic areas of Interior Sindh, Pakistan</b> <i>Shameem Bhatti Sobia Manzoor</i> <i>Pakistan Journal of Medical Sciences</i> , Volume 32(5), Pages 1279-1282 <b>Impact Factor:</b> 0.696   <b>Quartile:</b> 4   <b>Citations:</b> 6 <b>DOI:</b> doi:10.12669/pjms.325.10429	2016
<b>Inotropic Purinergic Receptors P2X4 and P2X7: Proviral or Antiviral? An Insight into P2X Receptor Signaling and Hepatitis C Virus Infection</b> <i>Sobia Manzoor Umair Akhtar Sidrah Naseem Madiha Khalid Misha Mazhar Fahed Parvaiz Saba Khaliq</i> <i>Viral immunology</i> , Vol.29(7), Pages 401-408 <b>Impact Factor:</b> 1.432   <b>Quartile:</b> 4   <b>Citations:</b> 20 <b>DOI:</b> doi:10.1089/vim.2016.0008	2016
<b>IL-22: a promising candidate to inhibit viral-induced liver disease progression and hepatocellular carcinoma</b> <i>Muhammad Saalim Saleha Resham Sobia Manzoor Hassam Ahmad Shahla Jaleel Javed Ashraf Muhammad Imran Sidrah Naseem</i> <i>Tumour Biology</i> , Volume 37(1), Pages 105-114 <b>Impact Factor:</b> 3.650   <b>Quartile:</b> 2   <b>Citations:</b> 21 <b>DOI:</b> doi:10.1007/s13277-015-4294-1	2016
<b>Hepatitis C virus NS5A promotes insulin resistance through IRS-1 serine phosphorylation and increased gluconeogenesis</b> <i>Fahad Parvaiz Sobia Manzoor Jawed Iqbal Mehuli Sarkar-Dutta Muhammad Imran Gulam Waris</i> <i>World Journal of Gastroenterology</i> , Volume 21, Issue 43, Pages 12361-12369 <b>Impact Factor:</b> 2.787   <b>Quartile:</b> 2   <b>Citations:</b> 27 <b>DOI:</b> 10.3748/wjg.v21.i43.12361	2015
<b>NS3-4A and NS4A proteins of hepatitis C virus regulate the apoptotic proteins expression in Huh-7 cells</b> <i>Farakh Javed Sobia Manzoor Aamer Ali Khattak Naureen Aurangzeb Sadiq Noor Khan Darima Habib Afshan Saleem</i> <i>International Journal of Biosciences</i> , Volume 7, No. 5, Pages 9-15 <b>Impact Factor:</b> - <b>DOI:</b> doi:http://dx.doi.org/10.12692/ijb/7.5.9-15	2015
<b>Interleukin- 28B: a prognostic marker in interferon based therapy of chronic HCV patients of the Pakistan with variable treatment response</b> <i>Saleha Resham Sobia Manzoor Muhammad Imran Muhammad Saalim Sidrah Naseem Sikandar Azam</i> <i>APMIS</i> , Volume 123(9), Pages 765-771 <b>Impact Factor:</b> 1.933   <b>Quartile:</b> 2   <b>Citations:</b> 5 <b>DOI:</b> 10.1111/apm.12414	2015
<b>Molecular characterization and fluorescence analysis of HCV non-structural proteins NS3, NS3-4A and NS4A of genotype 3a</b> <i>Farakh Javed Sobia Manzoor A. Ali Khattak Muhammad Imran F. Parvaiz J. Ashraf H. Tariq S. Bhatti</i> <i>Acta Virologica</i> , Volume 59, No.3, Pages 284-294 <b>Impact Factor:</b> 1.222   <b>Quartile:</b> 4   <b>Citations:</b> 2 <b>DOI:</b> DOI: 10.4149/av_2015_03_284	2015
<b>Role of Interferon Gamma and Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Receptor 1 Single Nucleotide Polymorphism in Natural Clearance and Treatment Response of HCV Infection</b> <i>Sikandar Azam Sobia Manzoor Muhammad Imran Javed Ashraf Sarah Ashraf Saleha Resham Eijaz Ghani</i>	2015

<i>Viral Immunology</i> , Volume 28, Number 4, Pages 222-228	
<b>Impact Factor:</b> 1.513   <b>Quartile:</b> 4   <b>Citations:</b> 5	
<b>DOI:</b> DOI:10.1089/vim.2014.0111	
<b>Genetic variant of IL28B rs12979860, as predictive marker of interferon-based therapy in Pakistani population</b>	2015
<i>Muhammad Imran Sobia Manzoor Sikander Azam Saleha Resham</i>	
<i>APMIS</i> , Volume 123(4), Pages 342-349	
<b>Impact Factor:</b> 1.933   <b>Quartile:</b> 2   <b>Citations:</b> 13	
<b>DOI:</b> 10.1111/apm.12365	
<b>Contemplating the Importance of Toll-like Receptors I and II Regarding Human Viral Pathogenesis</b>	2015
<i>Umar Saeed Sobia Manzoor Nasir Jalal Zahra Zahid Piracha</i>	
<i>Jundishapur Journal of Microbiology</i> , Volume 8(1), Article Number e13348	
<b>Impact Factor:</b> 0.655   <b>Quartile:</b> 4   <b>Citations:</b> 10	
<b>DOI:</b> doi:10.5812/jjm.13348	
<b>Predictive potential of IL-18 -607 and osteopontin -442 polymorphism in interferon-based therapy of HCV infection in the Pakistani population</b>	2014
<i>Sobia Manzoor Muhammad Imran Fahed Parvaiz</i>	
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<b>Impact Factor:</b> 1.446   <b>Quartile:</b> 4   <b>Citations:</b> 11	
<b>DOI:</b> 10.1089/vim.2014.0044	
<b>Hepatitis C virus infection in vitro triggers endoplasmic reticulum stress and downregulates insulin receptor substrates 1 and 2 through upregulation of cytokine signaling suppressor 3</b>	2014
<i>Sobia Manzoor Qazi Laeeque Ahmed Muqddas Tariq Madiha Khalid Waseem Ashraf Fahed Parvaiz Muhammad Imran</i>	
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<b>Impact Factor:</b> 1.280   <b>Quartile:</b> 3   <b>Citations:</b> 6	
<b>DOI:</b> 10.4149/av_2014_03_238	
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<i>Sobia Manzoor Muhammad Imran Nasir Mahmood Khattak Madiha Khalid Qazi Laeeque Ahmed Fahed Parvaiz Muqddas Tariq Javed Ashraf Waseem</i>	
<i>Ashraf Sikandar Azam Muhammad Ashraf</i>	
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<b>Impact Factor:</b> 2.390   <b>Quartile:</b> 3   <b>Citations:</b> 13	
<b>DOI:</b> 10.1007/s00705-013-1803-7	
<b>Hepatitis C virus nonstructural protein 5A favors upregulation of gluconeogenic and lipogenic gene expression leading towards insulin resistance: A metabolic syndrome</b>	2014
<i>Sobia Manzoor Fahed Parvaiz Jawed Iqbal Steven McRae Farrakh Javed Qazi Laeeque Ahmed Gulam Waris</i>	
<i>Archives of Virology</i> , Volume 159, Issue 5, Pages 1017-1025	
<b>Impact Factor:</b> 2.390   <b>Quartile:</b> 3   <b>Citations:</b> 26	
<b>DOI:</b> 10.1007/s00705-013-1892-3	
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<i>Sobia Manzoor Madiha Khalid Muqddas Tariq Muhammad Imran Waseem Ashraf Qazi Laeeque Ahmed Farakh Javed</i>	
<i>Future Virology</i> , Volume 9, Issue 3, Pages 275-282	
<b>Impact Factor:</b> 1.011   <b>Quartile:</b> 4   <b>Citations:</b> 1	
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<b>Correlation of OAS1 gene polymorphism at exon 7 splice acceptor site with interferon-based therapy of HCV infection in Pakistan</b>	2014
<i>Sobia Manzoor Muhammad Imran Nasir Mahmood Khattak Muqddas Tariq Madiha Khalid Farakh Javed Shameem Bhatti</i>	
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<b>DOI:</b> 10.1089/vim.2013.0107	
<b>Risk Factors Associated with Transmission of Hepatitis B and Hepatitis C Virus in Pakistan</b>	2014
<i>Sobia Manzoor Umar Saeed</i>	
<i>Global Journal of Medical research: F Diseases</i> , Volume 14, Issue 1, Pages 14-19	
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<a href="https://www.researchgate.net/publication/283900056_Risk_Factors_Associated_with_Transmission_of_Hepatitis_B_and_Hepatitis_C_Virus_in_Pakistan">https://www.researchgate.net/publication/283900056_Risk_Factors_Associated_with_Transmission_of_Hepatitis_B_and_Hepatitis_C_Virus_in_Pakistan</a>	



<p><b>Transcript analysis of P2X receptors in pbmcs of chronic hcv patients: An insight into antiviral treatment response and hcv-induced pathogenesis</b></p> <p><i>Sobia Manzoor Waseem Ashraf Javed Ashraf Qazi Laeeque Ahmed Madiha Khalid Muqddas Tariq Muhammad Imran Hafsa Aziz</i></p> <p><i>Viral Immunology</i> , Volume 26, Issue 5, Pages 343-350</p> <p><b>Impact Factor:</b> 1.636   <b>Quartile:</b> 4   <b>Citations:</b> 18</p> <p><b>DOI:</b> 10.1089/vim.2013.0044</p>	2013
<p><b>Role of viral and host factors in interferon based therapy of hepatitis C virus infection</b></p> <p><i>Sobia Manzoor Muhammad Imran Javed Ashraf Madiha Khalid Muqddas Tariq Hafiza Madeha Khaliq Sikandar Azam</i></p> <p><i>Virology Journal</i> , Volume 10, Article Number 299</p> <p><b>Impact Factor:</b> 2.089   <b>Quartile:</b> 1   <b>Citations:</b> 33</p> <p><b>DOI:</b> 10.1186/1743-422X-10-299</p>	2013
<p><b>Development of murine models to study Hepatitis C virus induced liver pathogenesis</b></p> <p><i>Sobia Manzoor Madiha Khalid Muhammad Imran Muqddas Tariq Javed Ashraf Qazi Laeeque Ahmed Waseem Ashraf Fahed Parvaiz Muhammad Ashraf</i></p> <p><i>Indian Journal of Virology</i> , Volume 24, Issue 2, Pages 151-156</p> <p><b>Impact Factor:</b> N/A</p> <p><b>DOI:</b> 10.1007/s13337-013-0152-1</p>	2013
<p><b>Identification of novel silent HIV propagation routes in Pakistan</b></p> <p><i>Sobia Manzoor Umar Saeed Yasir Waheed Muhammad Ashraf</i></p> <p><i>World Journal of Virology</i> , Volume 2(3), Pages 136-138</p> <p><b>Impact Factor:</b> N/A</p> <p><b>DOI:</b> 10.5501/wjv.v2.i3.136</p>	2013
<p><b>NOX4 induces oxidative stress and apoptosis through upregulation of caspases 3 and 9 and downregulation of TIGAR in HCV-infected Huh-7 cells</b></p> <p><i>Sobia Manzoor Muqddas Tariq, Qazi Laeeque Ahmed Madiha Khalid Waseem Ashraf</i></p> <p><i>Future Virology</i> , Volume 8, Issue 7, Pages 707-716</p> <p><b>Impact Factor:</b> 1.000   <b>Quartile:</b> 4   <b>Citations:</b> 4</p> <p><b>DOI:</b> 10.2217/fvl.13.50</p>	2013
<p><b>Phylogenetic analysis of torque teno virus genome from Pakistani isolate and incidence of co-infection among HBV/HCV infected patients</b></p> <p><i>Sobia Manzoor Tabinda Hussain Yasir waheed Huma Tariq Khushbakht Hanif</i></p> <p><i>Virology Journal</i> , Volume 9, Article Number 320</p> <p><b>Impact Factor:</b> 2.092   <b>Quartile:</b> 3   <b>Citations:</b> 28</p> <p><b>DOI:</b> 10.1186/1743-422X-9-320</p>	2012
<p><b>Poor oral health and coronary artery disease: A case-control study</b></p> <p><i>Sobia Manzoor Javed Ashraf Syed Akhtar Hussain Bokhari Ayyaz Ali Khan</i></p> <p><i>Journal of Periodontology</i> , Volume 83, Issue 11, Pages 1382-1387</p> <p><b>Impact Factor:</b> 2.398   <b>Quartile:</b> 1   <b>Citations:</b> 8</p> <p><b>DOI:</b> 10.1902/jop.2012.110563</p>	2012
<p><b>Interaction of Hepatitis C virus proteins with pattern recognition receptors</b></p> <p><i>Sobia Manzoor Muhammad Imran Yasir waheed Muhammad Bilal Waseem Ashraf Muhammad Ali Muhammad Ashraf</i></p> <p><i>Virology Journal</i> , Volume 9, Article Number 126</p> <p><b>Impact Factor:</b> 2.092   <b>Quartile:</b> 3   <b>Citations:</b> 52</p> <p><b>DOI:</b> 10.1186/1743-422X-9-126</p>	2012
<p><b>An overview: In vitro models of HCV replication in different cell cultures</b></p> <p><i>Sobia Manzoor Huma Tariq Fahed Parvaiz Farakh Javed kaneez Fatima Ishtiaq Qadri</i></p> <p><i>Infection, Genetics and Evolution</i> , Volume 12, Issue 1, Pages 13-20</p> <p><b>Impact Factor:</b> 2.768   <b>Quartile:</b> 2   <b>Citations:</b> 13</p> <p><b>DOI:</b> 10.1016/j.meegid.2011.10.009</p>	2012
<p><b>Hepatitis C Virus Infection: Molecular Pathways to Insulin resistance</b></p> <p><i>Sobia Manzoor Fahed Parvaiz Huma Tariq Farakh Javed Kaneez Fatima Ishtiaq Qadri</i></p> <p><i>Virology Journal</i> , Volume 8, Article Number 474</p> <p><b>Impact Factor:</b> 2.343   <b>Quartile:</b> 3   <b>Citations:</b> 34</p> <p><b>DOI:</b> 10.1186/1743-422X-8-474</p>	2011
<p><b>Identification of ionotropic purinergic receptors in Huh-7 cells and their response towards structural proteins of HCV genotype 3a</b></p>	2011

Sobia Manzoor Muhammad Idrees Javed Ashraf Azra Mehmood Sadia Butt Kaneez Fatima Haji Akbar Irshad ur Rehman Ishtiaq Qadri  
*Virology Journal*, Volume 8, Article Number 431

**Impact Factor:** 2.343 | **Quartile:** 3 | **Citations:** 23

**DOI:** <https://doi.org/10.1186/1743-422X-8-431>

**Evaluation of three different hepatitis c virus typing methods for detection of mixed-genotype infections**

2011

Sobia Manzoor Muhammad Idrees Irshad ur Rehman Haji Akbar Sadia Butt Samia Afzal Muhammad Zubair Yousaf Abrar Hussain  
*Journal of Digestive Diseases*, Volume 12, Issue 3, Pages 199-203

**Impact Factor:** 1.791 | **Quartile:** 3 | **Citations:** 11

**DOI:** [10.1111/j.1751-2980.2011.00496.x](https://doi.org/10.1111/j.1751-2980.2011.00496.x)

**The changing epidemiology pattern and frequency distribution of hepatitis C virus in Pakistan**

2010

Sobia Manzoor Sadia Butt Muhammad Idrees Haji Akbar Irshad ur Rehman Zunaira Awan Samia Afzal Abrar Hussain Muhammad Shahid Shazia Rafique  
*Infection, Genetics and Evolution*, Volume 10, Issue 5, Pages 595-600

**Impact Factor:** 3.086 | **Quartile:** 2 | **Citations:** 47

**DOI:** [10.1016/j.meegid.2010.04.012](https://doi.org/10.1016/j.meegid.2010.04.012)

**Hepatitis B virus YMDD-motif mutations with emergence of lamivudine-resistant mutants: a threat to recovery.**

2010

Sobia Manzoor Muhammad Idrees Zunaira Awan Shazia Rafique Irshad ur Rehman Haji Akbar Sadia Butt Liaqat Ali Khan Saira Munir Samia Afzal Zareen Fatima Bisma Rauff Mahrukh Naudhani Mohammad Ali Sana Saleem Sadaf Badar  
*Gastroenterology and Hepatology from bed to bench*, Volume 3(3), Pages 108-114

**Impact Factor:** N/A

**DOI:** [10.22037/ghfbb.v3i3.95](https://doi.org/10.22037/ghfbb.v3i3.95)

**Hepatitis C virus genotype 3a infection and hepatocellular carcinoma: Pakistan experience**

2009

Sobia Manzoor Muhammad Idrees Shazia Rafique Irshad ur Rehman Haji Akbar Muhammad Zubair Yousaf Sadia Butt Zunaira Awan Madiha Akram Mahwish Aftab Bushra Khubaib Sheikh Riazuddin

*World Journal of Gastroenterology*, Volume 15, Issue 40, Pages 5080-5085

**Impact Factor:** 2.092 | **Quartile:** 3 | **Citations:** 64

**DOI:** [10.3748/wjg.15.5080](https://doi.org/10.3748/wjg.15.5080)

**Comparative efficacy of doxycycline and flumequine against experimentally induced colibacillosis in broiler chicks**

2009

Sobia Manzoor Haji Akbar Murad Khan Ayaz Ali Khan Muhammad Ali Khan Muhammad Shuaib Shamaila Fazal Akbar Irshad-ur-rehman Shakeel Ahmad Liaqat Ali Rehmana Khalid Muhammad Idrees  
*Journal of Veterinary Medicine and Animal Health*, Volume 1(2), Pages 017-022

**Impact Factor:** N/A

**DOI:** [10.5897/JVMAH.9000007](https://doi.org/10.5897/JVMAH.9000007)

**Hepatitis C virus infection: A review of the current and future aspects and concerns in Pakistan**

2009

Sobia Manzoor Haji Akbar Muhammad Idrees Irshad ur Rehman Sadia Butt Muhammad Zubair Yousaf Shazia Rafique Zunaira Awan Bushra Khubaib Madiha Akram Mahwish Aftab

*Journal of General and Molecular Virology*, Volume 1(2), Pages 012-018, Article Number 3762AD010912

**Impact Factor:** N/A

**DOI:** [10.5897/JGMV.9000009](https://doi.org/10.5897/JGMV.9000009)

**Nucleotide identity and variability among different Pakistani hepatitis C virus isolates**

2009

Sobia Manzoor Muhammad Idrees Sadia Butt Zunaira Awan Mahwish Aftab Bushra Khubaib Irshad ur Rehman Madiha Akram Haji Akbar Shazia Rafique Sheikh Riazuddin

*Virology Journal*, Volume 6, Article Number 130

**Impact Factor:** 2.435 | **Quartile:** 3 | **Citations:** 8

**DOI:** [10.1186/1743-422X-6-130](https://doi.org/10.1186/1743-422X-6-130)

**IGF-1 and G-CSF complement each other in BMSC migration towards infarcted myocardium in a novel in vitro model**

2009

Sobia Manzoor Mohsin Khan Sadia Mohsin Shaheen N Khan Fridoon Jawad Ahmad  
*Cell Biology International*, Volume 33, Issue 6, Pages 650-657

**Impact Factor:** 1.800 | **Quartile:** 4 | **Citations:** 9

**DOI:** [10.1016/j.cellbi.2009.03.002](https://doi.org/10.1016/j.cellbi.2009.03.002)

## Editorial Activities

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<b>PLoS One</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.752	2021
<b>Infection and Drug Resistance</b> Reviewed Papers for Journals <b>Impact Factor:</b> 4.177	2021
<b>Breast Cancer-Targets and Therapy</b> Reviewed Papers for Journals <b>Impact Factor:</b> 5.088	2021
<b>Viral Immunology</b> Reviewed Papers for Journals <b>Impact Factor:</b> 2.175	2021
 Reviewed Papers for Journals <b>Impact Factor:</b> 1.8	2021
 Reviewed Papers for Journals <b>Impact Factor:</b> 3.3	2021
 Reviewed Papers for Journals <b>Impact Factor:</b> 3.24	2021
 Reviewed Papers for Journals <b>Impact Factor:</b> 1.67	2021
 Reviewed Papers for Journals <b>Impact Factor:</b> 3.24	2021
 Edited Journal Issue / Proceeding / Book <b>Impact Factor:</b> 0.29	2021
 Reviewed Papers for Journals <b>Impact Factor:</b> 2.83	2020
 Reviewed Papers for Journals <b>Impact Factor:</b> 5.5	2020
 Reviewed Papers for Journals <b>Impact Factor:</b> 2.049	2019

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Copyrights

Patents

A composition for construction of dual expression construct "Anti-HBV Cargo" designed as a CRISPR/Cas9 mediated therapeutic strategy to counter HBV persistence"	2023
Status: Filed	
Non-invasive kit for diagnosis of Human Immunodeficiency Virus	2019
Status: Licensed Filed	
Non-invasive kit for diagnosis of Hepatitis C Virus	2019
Status: Licensed Filed	
Non-invasive kit for diagnosis of Hepatitis B Virus	2019
Status: Licensed Filed	

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