

## CURRICULUM VITEAE



**Dr. Mohammad Khalid Parvez**  
**Assoc. Professor & Principal Investigator**  
**College of Pharmacy, King Saud University**  
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### ACADEMIC DEGREES

**2005:** PhD(Virology); Intl. Centre for Genetic Engg. & Biotech/JMI Central University, New Delhi, India.

**1998:** MS(Biotechnology); University of Calicut, Calicut, India.

**1996:** BS(Biosciences); Jamia Millia Islamia (JMI) Central University, New Delhi, India.

### RESEARCH INTERESSETS/ EXPERTISE

Hepatitis Virology and Liver Diseases

Recombinant Baculovirus-Insect/Mammalian Cell Expression System

Natural and Synthetic Anti-Viral/Microbial/Cancer Drug Development

### POSITIONS

**Associate Professor (Mar. 2016- ):** Department of Pharmacognosy, King Saud University College of Pharmacy, Riyadh, Saudi Arabia.

**Assistant Professor (Sep. 2010-Feb. 2016 ):** Department of Pharmacognosy, King Saud University College of Pharmacy, Riyadh, Saudi Arabia.

**Research Associate (Dec. 2009-Jun. 2010):** Laboratory of HIV/AIDS Immunopathogenesis, Institute of Human Virology, UMBC College of Medicine, Baltimore, MD, USA. Worked on 'In Vitro Study of HIV-1 Latency'.

**Fogarty International Visiting scientist (Sep. 2006-Nov. 2009):** Hepatitis Viruses Section, Laboratory of Infectious Diseases, NIAID, NIH, Bethesda, MD, USA. Worked on 'Hepatitis E Virus Replication and Molecular Biology'.

**Welcome-Trust/ICGEB Postdoctoral Fellow (May 2005-Aug 2006):** Virology Group, International Center for Genetic Engineering & Biotechnology (ICGEB), New Delhi. Worked on 'Hepatitis E Virus Molecular Biology'.

**Doctoral Fellow (Jan. 2001-Apr. 2005):** Virology Group, ICGEB, New Delhi, India. Thesis on 'Hepatitis B Virus Molecular Virology/Anti-viral Therapy'.

**Junior Research Fellow (Oct. 1998-Oct. 2000):** Worked on ‘Molecular Biology and Diagnostics of Viral Hepatitis and Liver Diseases’ and ‘Baculovirus-Insect Cell Expression System’, jointly under Dr. S. K. Sarin (Dept. of Gastroenterology, G. B. Pant Hospital) and Dr. Syed E. Hasnain (Eukaryotic Gene Expression Laboratory, National Institute of Immunology), New Delhi, India.

#### **RESEARCH GRANTS/PROJECTS**

**2017-19:** Research Group Project (No. RG-1435-053), Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia.

**2014-16:** Research Group Project (No. RG-1435-053), Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia. [Accomplished].

**2013-15:** ‘Evaluation of the efficacies of natural products for their antiviral activities against hepatitis B virus gene expressions and replication’, National Science, Technology & Innovation Plan (Grant No. 11-MED1585-02), KACST, Ministry of Higher Education, Saudi Arabia. [Accomplished].

**2013-14:** Research Group Project (No. RGP-VPP-212), Deanship of Scientific Research, King Saud University, Riyadh, Saudi Arabia. [Accomplished].

**2011-13:** ‘Genetic polymorphisms of drug eliminating enzymes and transporters as a tool to improve efficacy and reduce toxicity of drug therapy in the Saudi population’, National Science, Technology & Innovation Plan (Grant No. 08-MED565-02), KACST, Ministry of Higher Education, Saudi Arabia [Accomplished].

#### **AWARDS/ HONORS**

**2015:** Reviewers’ Poster of Distinction- Viral Hepatitis Congress, Germany.

**2014:** Biography included in the ‘Marquis Who’s Who in the World’ (32<sup>nd</sup> Edition), USA.

**2013:** Scientific International Travel Grant- Ministry of Higher Education, Saudi Arabia.

**2013:** Poster of Distinction- APASL International Liver Congress, Singapore.

**2011:** Young Scientist Travel Award- DICID International Conference, China.

**2011:** Scientific International Travel Grant- Ministry of Higher Education, Saudi Arabia.

**2011:** Presidential Award- APASL International Liver Congress, Thailand.

**2006:** Fogarty International Visiting Fellowship- NIAID/National Institutes of Health, USA.

**2005:** Postdoctoral Fellowship- Wellcome Trust, UK & ICGB, India.

**2002:** Young Scientist Travel Award- APASL International Liver Congress, Taiwan.

**2002:** Overseas Scientific Travel Award- CSIR, Ministry of Science & Technology, India.

**2000:** NET-CSIR Research Fellowship, Ministry of Science & Technology, India.

**1999:** Bio-analytical Scientist Position- Offered by Indian Oil Corporation, Gov. of India.

**1998:** Research Fellowship- ICMR, Ministry of Health & Family Welfare, India.

**1996:** National Biotechnology Program Scholarship- DBT, Ministry of Science & Technology, India.

**1996:** Qualified the DBT-Gov. of India National Entrance Test for MS(Biotechnology) Program, India.

**1990:** Topped in Board Examination (Bihar State Education Board) at district level, India.

#### **INVITED INTERNATIONAL SPEAKER**

**2016:** World Congress on Drug Discovery & Development, Bangalore, India.

**2014:** World Congress on Cancer Science & Therapy, Chicago, IL, USA.

**2014:** World Congress on Virology, OMICS Group, San Antonio, CA, USA.

**2014:** World Congress on Cell Science & Stem Cell Research, Valencia, Spain.

**2013:** World Congress on Virology, OMICS Group, Baltimore, MD, USA.  
**2013:** World Congress of Virus and Infection (WCVI), Wuhan, China.  
**2011:** University of Bonn Institute of Clinical Chemistry & Pharmacology, Bonn, Germany.  
**2010:** Centre for DNA Fingerprinting & Diagnostics, Hyderabad, India.

27th Annual Meeting of the Society for Virology from 22-25 March 2017 in Marburg, Germany.

#### **INTERNATIONAL RESEARCH PRESENTATIONS**

**2017:** Poster- Annual Meeting of the Society for Virology, Marburg, Germany.  
**2016:** Poster- Asian Pacific Digestive Week (APDW), Kobe, Japan.  
**2016:** Poster- Annual Meeting of the Nordic Soc. Clin. Microbiol. Infect. Diseases, Rovaniemi, Finland.  
**2016:** Oral- Intl. Conference on Medicinal Plants and Natural Products (ICMPNP), San Francisco, USA.  
**2016:** Poster- Asian-Pacific Association of Study of Liver (APASL) Congress, Tokyo, Japan.  
**2015:** Oral- Protein Expressions in Animal Cells (PEACe) Conference, San diego, USA.  
**2015:** Poster-Viral Hepatitis Congress, Frankfurt, Germany.  
**2015:** Poster- Intl. Congress on Pathogens at Human-Animal Interface (ICOPHAI), Chiang Mai, Thailand.  
**2015:** Poster- Intl. Symposium of Viral Hepatitis & Liver Diseases (ISVHLD), Berlin, Germany.  
**2015:** Oral-World Congress on Targeting Liver Disease, St. Julian's, Malta.  
**2015:** Oral-International Congress of Complementary Medicine Research (ICCMR), Jeju, S. Korea.  
**2015:** Poster-Congress of European Microbiologists (FEMS), Maastricht, Netherland.  
**2015:** Poster- European Association of Study of Liver (EASL) Congress, Vienna, Austria.  
**2015:** Poster- Viral Hepatitis Congress, Shanghai, China.  
**2015:** Oral- Asian-Pacific Association of Study of Liver (APASL) Congress, Istanbul, Turkey.  
**2015:** Poster-European Soc. of Clinic. Microbiol. & Infect. Dis. (ESCMID), Copenhagen, Denmark.  
**2014:** Oral- Cell Science & Stem Cell Research Congress, Valencia, Spain.  
**2014:** Poster- International Union of Microbiological Society Congress, Montreal, Canada.  
**2014:** Poster- European Association of Study of Liver (EASL) Congress, London, UK.  
**2014:** Poster- International Congress on Infectious Diseases (ICID), Cape Town, South Africa.  
**2013:** Poster- European Association of Study of Liver (EASL) Congress, Amsterdam, Netherlands.  
**2013:** Poster- Asian-Pacific Association of Study of Liver (APASL) Congress, Singapore.  
**2012:** Poster- ICGEB Workshop on RNA Viruses, Buenos Aries, Argentina.  
**2011:** Free Paper- Ditan International Conference on Infectious Diseases (DICID), Beijing, China.  
**2011:** Oral- European Association of Study of Liver (EASL) Congress, Berlin, Germany.  
**2011:** Oral- Asian-Pacific Association of Study of Liver (APASL) Congress, Bangkok, Thailand.  
**2009:** Poster- Intl. Symposium of Viral Hepatitis & Liver Diseases (ISVHLD), Washington-DC, USA.  
**2005:** Poster- Tata Memorial Symposium on Viral Hepatitis (TMSVH), Bangalore, India.  
**2002:** Oral- Asian-Pacific Association of Study of Liver (APASL) Congress, Taipei, Taiwan.  
**2002:** Poster- European Association of Study of Liver (EASL) Congress, Madrid, Spain.  
**2001:** Poster- Asian-Pacific Digestive Week (APDW) Meeting, Sydney, Australia.  
**2001:** Poster- Indian National Association of Study of Liver (INASL) Conference, Lucknow, India.  
**2001:** Poster- INASL & EASL Joint International Conference, Goa, India.  
**2000:** Poster- Indian National Association of Study of Liver (INASL) Conference, New Delhi, India.  
**1998:** Poster- Indian National Association of Study of Liver (INASL) Conference, New Delhi, India.

#### **SCIENTIFIC SOCIETY/ORGANIZATION'S AFFILIATION**

**Member,** European Society of Clinical Microbiology & Infectious Diseases (ESCMID)  
**Member,** International Society of Infectious Diseases (ISID)  
**Member,** European Association of Study of Liver (EASL)  
**Member,** British Association of Study of Liver (BASL)

**Member**, American Society of Microbiology (ASM) [discontinued]

**Member**, American Association for Advancement of Science(AAAS) [discontinued]

#### **INTERNATIONAL GRANT REVIEWING COMMITTEE**

**2015:** Invited Member, Croatian Science Foundation-Call for Proposals, Croatia

#### **JOURNAL EDITOR/REVIEWER**

**Assoc. Editor**, International Research Journal of Basic and Clinical Studies

**Assoc. Editor**, Journal of Virology Research

**Assoc. Editor**, Research in Biotechnology

**Editor**, World Journal of Hepatology

**Editor**, Journal of Gastroenterology &Hepatology Research

**Editor**, Asian Pacific Journal of Tropical Biomedicine

**Editor**, Journal of Liver and Clinical Research

**Editor**, Journal of Stem Cells Research, Development and Therapy

**Ex-Editor**, National Institutes of Health (USA) Fellows Editorial Board

**Reviewer**, PLOS ONE

**Reviewer**, Future Microbiology

**Reviewer**, Journal of Clinical Virology

**Reviewer**, Journal of Virology & Antiviral Research

**Reviewer**, Infection, Genetics and Evolution

**Reviewer**, Virus Research

**Reviewer**, Expert Opinion on Investigational Drugs

**Reviewer**, International Journal of Preventive Medicine

**Reviewer**, World Journal of Gastroenterology

**Reviewer**, Annals of Hepatology

**Reviewer**, Annals of Clinical Microbiology and Antimicrobials

**Reviewer**, Journal of US-China Medical Science

**Reviewer**, Journal of Translational Research

**Reviewer**, Natural Products Research

**Reviewer**, Topics in Medicinal Chemistry

#### **INTERNATIONAL CONFERENCES/MEETINGS CO-ORGANIZED**

**International Committee Member**- 19<sup>th</sup> International Conference on Viral and Subunit Vaccines ([ICVSV 2017](#)), Durban, SA.

**International Committee Member**- 18<sup>th</sup> International Conference on Viral Hepatitis, ([ICVH 2016](#)), London, UK.

**International Committee Member**- XIII International Conference on Virology and Infectious Diseases ([ICVID 2015](#)), London, UK.

**International Committee Member**- XII International Conference on Virology and Infectious Diseases ([ICVID 2014](#)), Bangkok, Thailand.

**Organizing Committee Member**- 5<sup>th</sup> World Congress on Bioavailability and Bioequivalence: Pharmaceutical R&D Summit ([BABE 2014](#)), Baltimore, USA.

**International Committee Member-** 16<sup>th</sup> International Conference on Viral Hepatitis ([ICVH 2014](#)), London, UK.

#### **SUPERVISION OF UNDERGRAD/GRAD STUDENTS**

**PhD Student:** Supervised a PhD student (Ahmed H. Arbab) on the thesis entitled, ‘*Evaluation of Anti-Hepatitis B Virus Activities of Some Saudi Medicinal Plants*’. Won ‘Golden Leaf Award’ for the best thesis work in the Saudi Inter-University Graduate Research Competition, 2015.

**MS Students:** Supervision and laboratory training as the final semester’s project/dissertation work.

#### **PUBLICATIONS** (\*Corresponding author)

[https://www.researchgate.net/profile/Khalid\\_Parvez3](https://www.researchgate.net/profile/Khalid_Parvez3)

<http://www.ncbi.nlm.nih.gov/pubmed/?term=Parvez+MK>

[https://scholar.google.ca/scholar?hl=en&as\\_sdt=0,5&q=%22Mohammad+Khalid+Parvez%22](https://scholar.google.ca/scholar?hl=en&as_sdt=0,5&q=%22Mohammad+Khalid+Parvez%22)

#### **Research:**

1. Ahmed S, Al-Rehaily AJ, Ahmad MS, Yousaf M, Alam MN, **Parvez MK**, Al-Dosari MS, Khan SI and Khan IA. Chemical constituents from *Oncocalyx glabratus* and their bioactivities. *Phytochemistry Letters* 2017 [in press].
2. AlSaid MS, Siddiqui NA, Mukhair MA, **Parvez MK**, Alam P, Ali M, Haque A. A novel monocyclic triterpenoid and a norsesquaterpenol from the aerial parts of *Suaeda monoica* Forssk. ex J. F. Gmel with cell proliferative potential. *Saudi Pharmaceutical Journal* 2017 [in press].
3. **Parvez MK\***, Arbab AH, Al-Dosari MS, Al-Rehaily AJ, Ibrahim KE, Alam P, Khan AA, AlSaid MS, Rafatullah S. *Ex vivo* and *in vivo* therapeutic potential of *Solanum surattense* leaves extract against chemical-induced oxidative and apoptotic liver damage. *Experimental and therapeutic Medicine* 2017 [in press].
4. Arbab AH, **Parvez MK\***, Al-Dosari MS and Al-Rehaily AJ. In vitro evaluation of novel antiviral activities of 60 medicinal plants extract against **hepatitis B** virus. *Experimental and Therapeutic Medicine* 2017. [in press]
5. Alam P, Alajmi MF, Arbab AH, **Parvez MK**, Siddiqui NA, Alqasoumi SI, Al-Rehaily AJ, Al-Dosari MS, Basudan OA. Comparative study of antioxidant activity and validated RP-HPTLC analysis of rutin in the leaves of different *Acacia* species grown in Saudi Arabia. *Saudi Pharmaceutical Journal* 2017 [in press].
6. Alam P, **Parvez MK**, Arbab AH, Siddiqui NA, Al-Dosari MS, Al-Rehaily AJ, Ahmed S, Kalam MA, Ahmad MS. Inter-species comparative antioxidant assay and HPTLC analysis of sakuranetin in the chloroform and ethanol extracts of aerial parts of *Rhus retinorrhoea* and *Rhus tripartite*. *Pharmaceutical Biology* 2017, 55:1450-1457.
7. Alkharfy KM, Alghamdi AM, Bagulb KM, Al-Jenoobi FI, Al-MohizeaAM, Al-Muhsen S, Halwani R and Al-Dosari MS and **Parvez MK**. Prevalence of UDP-glucuronosyltransferase Polymorphisms (UGT1A6\*2, 1A7\*12, 1A8\*3, 1A9\*3, 2B7\*2, and 2B15\*2) in a Saudi Population *Saudi Pharmaceutical Journal* 2017, 25:224-230.

8. Siddiqui NA, **Parvez MK**, Al-Rehaily AJ, MS Al-Dosari, Alam P, Shakeel F and Al-Harbi HA. High-performance thin layer chromatography based assay and stress study of a rare steroidal alkaloid solanopubamine in six species of *Solanum* grown in Saudi Arabia. *Saudi Pharmaceutical Journal* 2017, 25:184-195.
9. Alam P, **Parvez MK\***, Arbab AH and Al-Dosari MS. Quantitative analysis of rutin, quercetin, naringenin and gallic acid by validated RP- and NP-HPTLC methods for the quality control of anti-**HBV** active extract of *Guiera senegalensis*. *Pharmaceutical Biology* 2017, 55:1317-1323.
10. Al-Massarani SM, El Gamal AA, **Parvez MK**, Al-Dosari MS, Al-Said M, Abdel-Kader M, Basudan OA. New Cytotoxic Seco-Type Triterpene and Labdane-Type Diterpenes from *Nuxia oppositifolia*. *Molecules* 2017, 22:389-399.
11. **Parvez MK\***. Mutational analysis of **hepatitis E virus** ORF1 'Y-domain': Effects on RNA replication and virion infectivity. *World Journal of Gastroenterology* 2017, 23:590- 602.
12. Shahat AA, Alsaid MS, Rafatullah S, Al-Sohaibani MO, **Parvez MK**, Al-Dosari MS, Exarchou V and Pieters L. Treatment with *Rhus tripartita* extract curtails isoproterenol-elicited cardiotoxicity and oxidative stress in rats. *BMC Complementary & Alternative Medicine* 2016, 16:351.
13. Al-Yahya M, Raish M, AlSaid MS, Ahmad A, Mothana RA, Al-Sohaibani M, Al-Jenoobi FI , Al-Dosari MS, **Parvez MK\*** and Rafatullah S. 'Ajwa' dates (*P. dactylifera* L.) extracts ameliorates isoproterenol-induced cardiomyopathy through downregulation of oxidative, inflammatory and apoptotic molecules in rodent model. *Phytomedicine* 2016, 23:124-128.
14. Arbab AH, **Parvez MK\***, Al-Dosari MS, Al-Rehaily AJ, Ibrahim KE, Alam P, AlSaid MS and Rafatullah S. Therapeutic efficacy of ethanolic extract of *Aerva Javanica* aerial parts in the amelioration of CCl<sub>4</sub>-induced hepatotoxicity and oxidative damage in rats. *Food & Nutrition Research* 2016, 60:30864.
15. Ghorab M, Al-Said M, Al Dosari M, El-Gazzar M and **Parvez MK**. Design, synthesis and anticancer evaluation of novel quinazoline-sulfonamide hybrids. *Molecules* 2016, 21:189-200.
16. Bari A, **Parvez MK**, Khan AA, Alanazi AM, Ali SS, Al-Dosari MS and Alobaid AM. A facile one-pot synthesis and anticancer evaluation of novel substituted 1,2-dihydropyridine and 1,2,3,4-tetrahydropyridine analogues. *Journal of Heterocyclic Chemistry* 2016, 53:377-382.
17. Mothana R, Alsaid M , Khaled JM , Alharbi NS , Alatar A , Raish M , Al-Yahya M , Rafatullah S, **Parvez MK** and Ahamad SR. Assessment of antinociceptive, antipyretic and antimicrobial activity of *Piper cubeba* L. essential oil in animal models. *Pakistan Journal Pharmaceutical Sciences* 2016, 29:671-677.
18. **Parvez MK\***. The **hepatitis E** virus ORF1 'X-domain' residues form a putative macrodomain protein/Appr-1"-pase catalytic-site, critical for RNA replication. *Gene* 2015, 566:47-53.
19. Arbab AH, **Parvez MK\***, Al-Dosari MS, Rafatullah S , Al-Sohaibani M, Zorag EA, Al-Rehaily AJ and Al-Said MS. Hepatoprotective and antiviral efficacy of *Acacia mellifera* leaves fractions against **hepatitis B** virus. *BioMed Research International* 2015, 2015:929131.
20. Khan AA, Alanazi AM, Jabeen M, **Parvez MK**, Abdelhameed AS and Chauhan A. Biophysical interactions of novel oleic acid conjugate and its anticancer potential in HeLa cancer cells. *Journal of Fluorescence* 2015, 25:519-25. DOI:10.1007/s10895-015-1512-6.

21. **Parvez MK\***. The intergenic-junction variant (genotype 2 isolate) of **hepatitis E** virus restores the CREX 'stem-loop' structural integrity, essential for viral life cycle. *Gene* 2015, 559: 149-154.
22. Siddiqui NA, Alam P, Al-Rehaily AJ, Al-Oqail MM, **Parvez MK**. Simultaneous quantification of biomarkers Bergenin and Menisdaurin in the methanol extract of aerial parts of *Flueggeavirosaby* validated HPTLC densitometric method. *Journal of Chromatographic Science* 2015, 53:824-829.
23. Al-Yahya M, Mothana R, Al-Said M, Al-Dosari MS, Al-Sohaibani M, **Parvez MK** and Rafatullah S. Protective effect of *Citrus medica* 'otraj' extract on gentamicin-induced nephrotoxicity and oxidative damage in rat kidney. *Digest Journal of Nanomaterials & Biostructures* 2015, 10:19-29.
24. Siddiqui NA, Alam P, **Parvez MK**, Basudan OA, Al-Dosari MS, Al-Rehaily AJ, Al-Ajmi MF and Shakeel F. Quantification of glycyrrizin in anti-stress herbal formulations by validated HPTLC method: a random paradigm towards quality control of herbals. *Pakistan Journal of Pharmaceutical Sciences* 2015, 28:353-357.
25. **Parvez MK\*** and Al-Dosari MS. Evidence of MAPK-JNK1/2 activation by **hepatitis E** virus ORF3 protein in cultured hepatoma cells. *Cytotechnology* 2015. 67(3):545-350.
26. Alanazi AM, Khan AA, Mustafa J, **Parvez MK**, El-azab AS, and Abdelhameed AS. Characterization and anticancer potential of newly synthesized propofol conjugates. *Asian Journal of Chemistry* 2014, 26:2773-27780.
27. Bhat MA, Khan AA, Khan S, Al-Omar MA, **Parvez MK**, Al-Dosari MS and Al-Dhfyhan A. Synthesis and anti-candida activity of N-(4-aryl/cyclohexyl)-2-(pyridine-4-yl carbonyl) hydrazinecarbothioamide. *Bioorganic & Medicinal Chemistry Letters* 2014, 24: 1299-1302.
28. **Parvez MK\*** and Khan AA. Molecular modeling and analysis of **hepatitis E** virus (HEV) papain-like cysteine protease. *Virus Research* 2014, 179:220-224.
29. **Parvez MK\***. Molecular characterization of **hepatitis E** virus ORF1 gene supports a papain-like cysteine protease (PCP)-domain activity. *Virus Research* 2013, 178:553-556.
30. Al-Dosari MS, Al-Jenoobi FI, Alkharfy KM, Alghamdi AM, Bagulb KM, Al-Mohizea AM, Al-Muhsen S, **Parvez MK** and Halwani R. High Prevalence of CYP2D6\*41 (G2988A) Allele in Saudi Arabians. *Environmental Toxicology and Pharmacology* 2013, 36:1063-1067.
31. Alkharfy KM, Alghamdi AM, Bagulb KM, Al-Jenoobi FI, Al-MohizeaAM, Al-Muhsen S, Halwani R, **Parvez MK** and Al-Dosari MS. Distribution of selected gene polymorphisms of UGT1A1 in a Saudi Population. *Archives of Medical Science* 2013, 4:731-738.
32. Al-Dosari MS, Alghamdi AM, Alkharfy KM, Al-Mohizea AM, Al-Jenoobi FI, Al-Muhsen S, Halwani R and **Parvez MK**. Genetic variability of PXR in Saudi Arabians. *Biochemical Genetics* 2013, 51:575-587.
33. Al-Yahya M, Al-Dosari MS, Al-Sohaibani M, Al-Said M, Mothana R, **Parvez MK** and Rafatullah S. Attenuation of CCl<sub>4</sub>-induced oxidative stress and Hepato-nephrotoxicity by Saudi Sidr Honey in Rats . *Evidence-Based Complementary & Alternative Medicine* 2013, 2013:1-10.
34. Al-Jenoobi FI, Alkharfy KM, Alghamdi AM, Bagulb KM, Al-Mohizea AM, Al-Muhsen S, Halwani R, **Parvez MK** and Al-Dosari MS. CYP2C19 Genetic Polymorphism in Saudi Arabians. *Basic & Clinical Pharmacology and Toxicology* 2013, 112:50-54.
35. Al-MohizeaAM, Alkharfy KM, Bagulb KM, Alghamdi AM, Al-Jenoobi FI, Al-Muhsen S, Halwani R, **Parvez MK** and Al-Dosari MS. Genetic variability and haplotype profile of MDR1 in Saudi Males. *Molecular Biology Report* 2012, 39:10293-301.



36. Marini A, **Parvez MK**, Marchionni L, Romerio F. Modeling **HIV-1** latency in vitro. *Journal of Acquired Immune Deficiency Syndromes* 2011; 56:63. DOI:10.1097/01.qai.0000397338.87610.b9.
37. **Parvez MK**, Purcell RH and Emerson SU. **Hepatitis E** virus(HEV) ORF2 protein over-expressed by baculovirus in hepatoma cells, efficiently encapsidates and transmits the viral RNA to naïve cells. *Virology Journal* 2011;8:159-64.
38. **Parvez MK**, Sehgal D, Sarin SK, Basir FB and Jameel S. Inhibition of **hepatitis B** virus DNA replication intermediate forms by recombinant IFN- $\gamma$ . *World Journal of Gastroenterology* 2006, 12: 3006-14.
39. Wakil SS, Kazim SN, Raisuddin S, Khan LA, **Parvez MK**, Thakur V, Guptan RC and Sarin SK. Prevalence and profile of mutations associated with lamivudine therapy in Indian patients with chronic **hepatitis B** in the surface and polymerase genes of hepatitis B virus. *Journal of Medical Virology* 2002, 68:311-318.
40. **Parvez MK**, Thakur V, Kazim SN, Guptan, Hasnain SE and Sarin SK. Base-pair alterations in the epsilon-lower stem due to a novel double substitution in the pre-core gene of **HBV**-e negative variants were recovered by secondary mutations. *Virus Genes* 2001, 23:315-320.
41. Thakur V, Guptan RC, Basir SF, **Parvez MK** and Sarin SK. Enhanced immunogenicity of recombinant **Hepatitis B** vaccine in exposed family contacts of chronic liver disease patients. *Scandinavian Journal of Infectious Disease* 2001, 33:618-621.

#### **Reviews:**

42. Parvez MK\*. The nonstructural polyprotein of **Hepatitis E** virus. *Future Virology* 2017[in press].
43. Al-Dosari MS and **Parvez MK\***. Genetic polymorphisms of drug eliminating enzymes and transporters. *Biomedical Genetics & Genomics* 2016, 1:44-50.
44. **Parvez MK\***, Arab AH, Al-Dosari MS and Al-Rehaily AJ. Antiviral natural products against chronic **hepatitis B**: recent developments. *Current Pharmaceutical Design*. 2016; 3:286-293.
45. **Parvez MK\***. **HBV** and **HIV** co-infection: impact on liver pathobiology and therapeutic approaches. *World Journal of Hepatology* 2015, 7:121-126.
46. **Parvez MK\***. **Hepatitis E** chronic infection: risks and controls. *Intervirology* 2013, 56:213-216.
47. Ghosh S, **Parvez MK**, Banerjee K, Sarin SK and SE Hasnain. Baculovirus as mammalian expression system for gene therapy: a novel approach. *Molecular Therapy* 2002, 6:5-11.

#### **Editorials (invited):**

48. **Parvez MK\*** and Niyazi S. Bacterial infection of liver: a bird's eye view. *Journal of Gastroenterology & Hepatology Research* 2016, 5:2112-2114.
49. **Parvez MK\*** and Al-Dosari MS. CAM/Drug-induced hepatotoxicity: implications in viral **hepatitis**. *Journal of Gastroenterology & Hepatology Research* 2016, 5:1921-1923.
50. **Parvez MK\***. Candidate new **hepatitis** viruses: juggling with the alphabets. *Journal of liver and Clinical Research* 2015, 2:1009.
51. **Parvez MK\***. Evolving manifestations of **hepatitis E** virus: Aren't we overinterpreting? *Journal of Gastroenterology & Hepatology Research* 2014, 3:937-938.



52. **Parvez MK\*** and Ali R. **Hepatitis E** virus cross-reactivity and false-seropositivity: challenges to diagnosis. *Journal of Liver* 2014, 3:e109.
53. **Parvez MK\***. **Hepatitis E** virus-associated neuropathy: an emerging extrahepatic manifestation. *Future Virology* 2014, 9:1-4.
54. **Parvez MK\***. **HIV** heaptotropism and pathogenesis: new challenges. *Future Virology* 2013, 8:1-3.
55. **Parvez MK\***. Not so (a)cute: chronic evolution of **hepatitis E** virus. *Journal of Gastroenterology & Hepatology Research* 2012, 1:84-85.

***Opinion (invited):***

56. **Parvez MK\***. Hepatitis E: diagnostic and therapeutic challenges. *Archives of Hepatitis Research* 2017, 3:10-12.

***Book Chapter:***

57. **Parvez MK\***. Emerging and re-emerging viral diseases: risks and controls. In *Microbial Pathogens and Strategies for Combating Them: Science, Technology and Education*, Ed. by A. Mendez-Vila (Formatex, Spain, 2013), Vol. 3: pp. 1619-1626.