

## LIST OF PUBLICATIONS

### JOURNALS:

- 1) **Implications of CP asymmetry parameter  $\sin 2\beta$  on structural features of texture specific mass matrices,**  
*Rohit Verma, Gulsheen Ahuja, Manmohan Gupta,*  
**Phys. Lett. B 681 (2009) 330-335.**
- 2) **Exploring the Parameter Space of Texture 4 Zero Quark Mass Matrices**  
*Rohit Verma, Gulsheen Ahuja, Neelu Mahajan, Manmohan Gupta,*  
**J. Phys. G 37 (2010) 075020.**
- 3) **Texture specific mass matrices with Dirac neutrinos and their implications**  
*Gulsheen Ahuja, Manmohan Gupta, Monika Randhawa, Rohit Verma*  
**Phys. Rev. D 79 (2009) 093006.**
- 4) **Implications of Precision Measurements on texture-specific Mass Matrices**  
*Manmohan Gupta, Gulsheen Ahuja, Rohit Verma*  
**Int. J. Mod. Phys. A 24 (2009) 3462-3468.**
- 5) **Investigating non-Fritzsch like texture specific quark mass matrices**  
*Neelu Mahajan, Rohit Verma, Manmohan Gupta*  
**Int. J. Mod. Phys. A 25 (2010) 2037-2048.**
- 6) **Revisiting the possibility of New Physics in the  $K - \bar{K}$  and  $B_d - \bar{B}_d$  systems,**  
*Gulsheen Ahuja, Rohit Verma, Priyanka Fakay, P. S. Gill, Manmohan Gupta*  
**Modern Physics Letters A 27, 1250125 (2012).**
- 7) **Implications of  $\theta_{13}$  on Fritzsch-like lepton mass matrices**  
*Priyanka Fakay, Samandeep Sharma, Rohit Verma, Gulsheen Ahuja, Manmohan Gupta*  
**Hep-ph/arXiv:1301.5970, 2013. Submitted to Physics Letters B.**
- 8) **Exploring CP violation in phenomenological models using Jarlskog's Commutator formalism,**  
*Rohit Verma, Priyanka Fakay, Samandeep Sharma, Gulsheen Ahuja, Manmohan Gupta*  
**In preparation.**
- 9) **Compatibility of textures and SO(10) inspired mass matrices**  
*Rohit Verma, Samandeep Sharma, Priyanka Fakay, Gulsheen Ahuja, Manmohan Gupta*  
**In preparation.**
- 10) **Implications of Textures, Naturalness and Weak Basis Transformations for Fermion Mass Matrices**  
*Rohit Verma, Samandeep Sharma, Priyanka Fakay, Gulsheen Ahuja, Manmohan Gupta*  
**In preparation.**

## CONFERENCES:

- 1) **Compatibility of textures and SO(10) inspired mass matrices**  
*Rohit Verma, Samandeep Sharma, Priyanka Fakay, Gulsheen Ahuja, Manmohan Gupta*  
5th International Pontecorvo Neutrino School, Alushta, Crimea, Ukraine, 6 - 16 Sept 2012.
- 2) **Implications of S3 transformations on texture specific mass matrices**  
*Rohit Verma, Gulsheen Ahuja, Manmohan Gupta*  
Recent trends in frontiers of physics, Panjab University, Chandigarh, 15-16 Feb 2011.
- 3) **Compatibility of texture specific mass matrices with the latest quark mixing data**  
*Rohit Verma, Neelu Mahajan, Gulsheen Ahuja, Monika Randhawa, Manmohan Gupta* 3rd  
Chandigarh Science Congress, Punjab University, Chandigarh, India, Feb 2009.
- 4) **Complete parameter space for texture 4-zero quark mass matrices**  
*Rohit Verma, Neelu Mahajan, Monika Randhawa, Gulsheen Ahuja, Manmohan Gupta*  
Proceedings of the XVIII DAE-BRNS High Energy Physics Symposium, Banaras Hindu University, Varanasi, India, December 2008.
- 5) **Texture specific mass matrices with Dirac neutrinos and their implications**  
*Gulsheen Ahuja, Manmohan Gupta, Monika Randhawa, Rohit Verma*  
Proceedings of the XVIII DAE-BRNS High Energy Physics Symposium, Banaras Hindu University, Varanasi, India, December 2008.
- 6) **Implications of precision measurements on texture specific mass matrices**  
*Manmohan Gupta, Rohit Verma, Gulsheen Ahuja*  
Proceedings of the XVIII DAE-BRNS High Energy Physics Symposium, Banaras Hindu University, Varanasi, India, December 2008.
- 7) **Implications of mixing angle  $\theta_{13}$  on texture 5-zero lepton mass matrices**  
*Priyanka Fakay, Samandeep Sharma, Rohit Verma, Gulsheen Ahuja, Manmohan Gupta*  
Proceedings of XX DAE-BRNS High Energy Physics Symposium, Visva Bharati University, Santiniketan, West Bengal, India, 13 - 18 Jan 2013.
- 8) **SO(10) and textures of fermion mass matrices**  
*Samandeep Sharma, Rohit Verma, Priyanka Fakay, Gulsheen Ahuja, Manmohan Gupta*  
Proceedings of XX DAE-BRNS High Energy Physics Symposium, Visva Bharati University, Santiniketan, West Bengal, India, 13 - 18 Jan 2013.
- 9) **Implications of Textures and Weak Basis Transformations for Fermion Mass Matrices**  
*Rohit Verma, Priyanka Fakay, Samandeep Sharma, Gulsheen Ahuja, Manmohan Gupta*  
To be presented at 7th Chandigarh Science Congress, Panjab University, Chandigarh, India, 1 - 3 March 2013.