

Publication of Dr. Gul Zaman

1 Publications

1.1 Published

1. Nigar Ali, **Gul Zaman**, Ali Saleh Alshomrani, Optimal Control Strategy of HIV-1 Epidemic Model for Recombinant Virus, Ali et al., Cogent Mathematics (2017), 4: 1293468 <http://dx.doi.org/10.1080/23311835.2017.1293468>.
2. **Gul Zaman**, Giphil Cho, Yong Han Kang, Jung Il Hyo, Optimal strategy of vaccination & treatment in an SIR epidemic model, Mathematics and Computers in Simulation, 136 (2017) 6377, [IF:1.124](#).
3. Nigar Ali, **Gul Zaman**, M. Ikhtlaq Chohan, Global Stability of Delayed HIV-1 Model with Saturations Reponses, Appl. Math. Inf. Sci. 11, No. 1, 189-194 (2017).
4. Tahir Khan, **Gul Zaman** and M. Ikhtlaq Chohan, The transmission dynamic and optimal control of acute and chronic hepatitis B, Journal of Biological Dynamics, 2016 Vol. 11, No. 1, 172-189, [IF:1.38](#).
5. **Gul Zaman** and Asaf Khan, Dynamical Aspects of an Age-structured SIR Endemic Model, Computer and Mathematics with Applications, 72 (2016) 1690 -1702, [IF:1.398](#).
6. Mhammad Zamir, **Gul Zaman**, Ali Saleh Alshomrani (2016) Sensitivity Analysis and Optimal Control of Anthroponotic Cutaneous Leishmania, PLoSONE 11 August 9, 2016 <http://dx.doi.org/10.1371/journal.pone.0160513>, [IF:3.05](#).
7. Tahir Khan and **Gul Zaman**, Classification of different Hepatitis B infected individuals with saturated incidence rate, Khan and Zaman Springer-Plus (2016) 5:1082 DOI 10.1186/s40064-016-2706-3, [IF:0.98](#)

8. Anwar Zeb, Sulan Hussain, Syed Inayat Ali Shah, **Gul Zaman**, Asymptotic Behavior of Stochastic Hepatitis B Model with Controls, Neural, Parallel, and Scientific Computations 24 (2016) 121 -130.
9. Nigar Ali and **Gul Zaman** and M. Ikhtlaq Chohan, Dynamical Behavior of HIV-1 Epidemic Model With Time Dependent Delay, J. Math. Comput. Sci. 6 (2016), No. 3, 377-389, Available online at <http://scik.org>.
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11. Amir Khan, **Gul Zaman**, The Oscillating Motion of a Generalized Oldroyd-B Fluid in Magnetic Field with Constant Pressure Gradient, Special Topics & Reviews in Porous Media-An International Journal, 6(3), 251-260 (2016).
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13. Anwar Zeb, **Gul Zaman**, Baha Alzalg and Vedat Suat Ertrk, Faisal Yousafzai, Madad Khan, Approximating a giving-up smoking dynamics on adolescent nicotine dependence in fractional order, PLoS ONE 11(4): (2016) e0103617. doi:10.1371/journal.pone.0103617 **IF:3.8**
14. Roman Ullah, Sakhi Jan, **Gul Zaman**, Saleem Khan, Saeed Islam, M.A. Khan, Hakeem Ullah, Mathematical Modeling of Vector-Borne Diseases, J. Appl. Environ. Biol. Sci., 6(1)57-62, 2016 **ISI**.
15. Abdullah, Il Hyo Jung, **Gul Zaman**, Asymptotic analysis and backward bifurcation of vector borne diseases, Cincia e Tecnica Vitivincola, Vol. 31(2) (2016) 532-545, **IF:0.479**.
16. Roman Ullah, Mehroz Khan, **Gul Zaman**, Saeed Islam, M. A.Khan, Sakhi Jan, T. Gul, Dynamical Features of a Mathematical Model on Smoking, J. Appl. Environ. Biol. Sci., 6(1)92-96, 2016 **ISI**.

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1.3 Submitted

97. Amir Khan and **Gul Zaman**, The Motion of a Generalized Jeffrey fluid Between Two Side Walls of a Plate, submitted to Journal of Central South University, 2014, [IF:0.562](#).
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