

Ibrar Hussain

Professor

School of Electrical Engineering and Computer Science

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About

Dr. Ibrar Hussain is working as Professor in the School of Electrical Engineering and Computer Science. Dr. Ibrar Hussain has a PhD in General Relativity. Dr. Ibrar Hussain has published 79 research articles & conference papers having a citation count of 1553, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in General Relativity NUST, Islamabad , Pakistan	2004 - 2010
MPhil in General Relativity Quaid-i-Azam University , Pakistan	2002 - 2004
MSc in Mathematics Quaid-i-Azam University , Pakistan	2000 - 2002
BSc in Mathematics & Physics University of Peshawar , Pakistan	1997 - 1999

Experience

Professor School of Electrical Engineering and Computer Science	2021- Present
Associate Professor School of Electrical Engineering and Computer Science	2016 - 2021
Assistant Professor School of Electrical Engineering and Computer Science	2015 - 2016
Assistant Professor School of Electrical Engineering and Computer Science	2012 - 2015
Assistant Professor School of Electrical Engineering and Computer Science	2010 - 2012
Lecturer School of Electrical Engineering and Computer Science	2009 - 2010

Awards

Abel Visiting Scholar Spent one month at the School of Mathematics, University of Minnesota, USA (in 2017)	2017
TWAS-UNESCO Associate spent 4 months at the institute of Theoretical Physics, Chinese Academy of Sciences, Beijing, China (2 months in 2014 and two months in 2015).	2013

Research Articles

Spinning particle motion and MCMC analysis of S2 star orbiting Sgr A* <i>Uktamjon Uktamov Bakhtiyor Narzilloev Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov</i> <i>Physics of the Dark Universe</i> , Volume:49, Article Number 102022 Impact Factor: 6.400 Quartile: 1 DOI: https://doi.org/10.1016/j.dark.2025.102022	2025
Studying the enigma of particle dynamics using a new type of regular charged black hole <i>Allah Ditta Ibrar Hussain Farzan Mushtaq G Mustafa Farruh Atamurotov</i>	2025

<i>Nuclear Physics B</i> , Volume:1017, Article Number 116943	
Impact Factor: 2.500 Quartile: 2	
DOI: https://doi.org/10.1016/j.nuclphysb.2025.116943	
Kinetic energy and angular momentum of free particles in a class of rotating cylindrical gravitational waves using the Noether symmetry approach	2025
<i>Kamran Qadir Abbasi Ibrar Hussain</i>	
<i>International Journal of Geometric Methods in Modern Physics</i> , Volume:22, Issue:8, Article Number 2550042	
Impact Factor: 2.200 Quartile: 1	
DOI: https://doi.org/10.1142/S0219887825500422	
Quasi periodic oscillations around Kerr-type black hole in the Starobinsky–Bel–Robinson theory of gravity	2024
<i>Akbar Davlataliyev Bakhtiyor Narzilloev Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov</i>	
<i>Physics of the Dark Universe</i> , Volume 46, Article Number 101569	
Impact Factor: 5.000 Quartile: 1 Citations: 16	
DOI: https://doi.org/10.1016/j.dark.2024.101569	
Energetic processes and thermodynamic analysis of the spinning Kiselev black hole with cloud of strings	2024
<i>Odil Yunusov Farruh Atamurotov Ibrar Hussain Ahmadjon Abdujabbarov G. Mustafa</i>	
<i>Chinese Journal of Physics</i> , Volume 90, Pages 608-623	
Impact Factor: 4.600 Quartile: 1 Citations: 7	
DOI: https://doi.org/10.1016/j.cjph.2024.06.006	
Probing a black hole in Starobinsky-Bel-Robinson gravity with thermodynamical analysis, effective force and gravitational weak lensing	2024
<i>G. Mustafa Allah Ditta Faisal Javed Farruh Atamurotov Ibrar Hussain Bobomurat Ahmedov</i>	
<i>Chinese Journal of Physics</i> , Volume 90, Pages 494-508	
Impact Factor: 5 Quartile: 1 Citations: 25	
DOI: https://doi.org/10.1016/j.cjph.2024.04.038	
Charged and magnetized particle motion around a static black hole in the Starobinsky–Bel–Robinson gravity	2024
<i>Akbar Davlataliyev Bakhtiyor Narzilloev Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov</i>	
<i>European Physical Journal C</i> , Volume 84, Article Number 694	
Impact Factor: 4.200 Quartile: 2 Citations: 7	
DOI: https://doi.org/10.1140/epjc/s10052-024-13039-3	
Explaining QPOs data for black holes in the Starobinsky–Bel–Robinson gravity	2024
<i>Farukh Abdulkhamidov Bakhtiyor Narzilloev Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov</i>	
<i>European Physical Journal C</i> , Volume 84, Article Number 420	
Impact Factor: 4.2 Quartile: 2 Citations: 5	
DOI: https://doi.org/10.1140/epjc/s10052-024-12763-0	
Gravitational mass and approximate Lie symmetries for the charged Hayward black hole	2024
<i>Asia Liaqat Ibrar Hussain</i>	
<i>New Astronomy</i> , Volume 107, Article Number 102152	
Impact Factor: 2.0 Quartile: 3 Citations: 3	
DOI: https://doi.org/10.1016/j.newast.2023.102152	
Particle dynamics, black hole shadow and weak gravitational lensing in the f(Q) theory of gravity	2023
<i>Allah Ditta Xia Tiecheng Farruh Atamurotov Ibrar Hussain G. Mustafa</i>	
<i>Communications in Theoretical Physics</i> , Volume 75, Issue 12, Article Number 125404	
Impact Factor: 3.1 Quartile: 2 Citations: 25	
DOI: https://doi.org/10.1088/1572-9494/ad0e05	
Probing the Starobinsky-Bel-Robinson gravity by photon motion around the Kerr-type black hole in non-uniform plasma	2023
<i>A Davlataliyev Bakhtiyor Narzilloev Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov</i>	
<i>Physics of the Dark Universe</i> , Volume 42, Article Number 101340	
Impact Factor: 5.5 Quartile: 1 Citations: 16	
DOI: https://doi.org/10.1016/j.dark.2023.101340	
Effect of magnetic field on the gravitational energy of static and charged black holes	2023

Asia Liaqat Ibrar Hussain

Chinese Journal of Physics, Volume 86, Pages 39-47

Impact Factor: 5.000 | Quartile: 1 | Citations: 1

DOI: 10.1016/j.cjph.2023.05.008

Energetic processes around electromagnetically charged black hole in the Rastall gravity

2023

M. Alloqulov Bakhtiyor Narzilloev Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov

Chinese Journal of Physics, Volume 85, Pages 302-317

Impact Factor: 5.000 | Quartile: 1 | Citations: 20

DOI: 10.1016/j.cjph.2023.07.005

Dynamics of spinning test particles around the Kerr–Newman–NUT black hole with quintessence in the Rastall gravity

2023

Carlos A. Benavides-Gallego Bakhtiyor Narzilloev Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov Haiguang Xu Farrux Abdulxamidov

European Physical Journal Plus, Volume 138, Issue 7, Article Number 635

Impact Factor: 3.4 | Quartile: 2 | Citations: 19

DOI: 10.1140/epjp/s13360-023-04283-9

2nd order approximate Noether and Lie symmetries of Gibbons–Maeda–Garfinkle–Horowitz–Strominger charged black hole in the Einstein frame

2023

Asia Liaqat Ibrar Hussain

Arabian Journal of Mathematics, Volume 12, Issue 1, Pages 139-149

Impact Factor: N/A | Citations: 2

DOI: 10.1007/s40065-022-00387-9

Imprints of dark matter on wormhole geometry in modified teleparallel gravity

2023

G. Mustafa Ibrar Hussain Farruh Atamurotov Wu-Ming Liu

European Physical Journal Plus, Volume 138, Issue 2, Article Number 166

Impact Factor: 3.758 | Quartile: 2 | Citations: 23

DOI: 10.1140/epjp/s13360-023-03775-y

Weak deflection angle and shadow cast by the charged-Kiselev black hole with cloud of strings in plasma*

2023

Farruh Atamurotov Ibrar Hussain Ghulam Mustafa Ali Övgün

Chinese Physics C, Volume 47, Issue 2, Article Number 025102

Impact Factor: 2.944 | Quartile: 2 | Citations: 71

DOI: 10.1088/1674-1137/ac9fbb

Relativistic Wormholes in Extended Teleparallel Gravity with Minimal Matter Coupling

2023

G. Mustafa S. K. Maurya Ibrar Hussain

Fortschritte der Physik, Volume 71, Issue 4-5, Article ID: 2200119

Impact Factor: 5.532 | Quartile: 1 | Citations: 27

DOI: 10.1002/prop.202200119

Simulated image of the shadow of the Kerr–Newman–NUT–Kiselev black hole in the Rastall gravity with a thin accretion disk

2023

Temurbek Mirzaev Song Li Bakhtiyor Narzilloev Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov

European Physical Journal Plus, Volume 138, Issue 1, Article Number: 47

Impact Factor: 3.758 | Quartile: 2 | Citations: 21

DOI: 10.1140/epjp/s13360-022-03632-4

Study of gyratonic pp-waves by using the Noether symmetry approach

2022

Kamran Qadir Abbasi Ibrar Hussain

European Physical Journal Plus, Volume 137, Issue 12, Article Number: 1359

Impact Factor: 3.758 | Quartile: 2 | Citations: 1

DOI: <https://doi.org/10.1140/epjp/s13360-022-03567-w>

Shadows and gravitational weak lensing by the Schwarzschild black hole in the string cloud background with quintessential field

2022

G. Mustafa Farruh Atamurotov Ibrar Hussain Sanjar Shaymatov Ali Övgün

Chinese Physics C, Volume 46, Number 12, Article Number 125107

Impact Factor: 2.944 | Quartile: 2 | Citations: 94

DOI: 10.1088/1674-1137/ac917f

Quasi-periodic oscillations of test particles and red–blue shifts of photons in the charged-Kiselev black hole with cloud of strings <i>G. Mustafa Ibrar Hussain Wu-Ming Liu</i> <i>Chinese Journal of Physics</i> , Volume 80, Pages 148-166 Impact Factor: 5.000 Quartile: 1 Citations: 14 DOI: doi.org/10.1016/j.cjph.2022.04.023	2022
A comparative study of new generic wormhole models with stability analysis via thin-shell <i>Faisal Javed Sobia Sadiq G. Mustafa Ibrar Hussain</i> <i>Physica Scripta</i> , Volume 97, Number 12, Article Number 125010 Impact Factor: 3.081 Quartile: 2 Citations: 35 DOI: 10.1088/1402-4896/ac9ff6	2022
Shadow and quasinormal modes of the Kerr–Newman–Kiselev–Letelier black hole <i>Farruh Atamurotov Ibrar Hussain G. Mustafa Kimet Jusufi</i> <i>European Physical Journal C</i> , Volume 82, Issue 9, Article Number 831 Impact Factor: 4.991 Quartile: 2 Citations: 55 DOI: 10.1140/epjc/s10052-022-10782-3	2022
New wormhole models with stability analysis via thin-shell in teleparallel gravity <i>Faisal Javed Saadia Mumtaz G. Mustafa Ibrar Hussain Wu-Ming Liu</i> <i>European Physical Journal C</i> , Volume 82, Issue 9, Article Number 825 Impact Factor: 4.991 Quartile: 2 Citations: 32 DOI: 10.1140/epjc/s10052-022-10780-5	2022
Bardeen strange stellar structures <i>G. Mustafa F. M. Shamir Allah Ditta Ibrar Hussain</i> <i>International Journal of Modern Physics A</i> , Volume 37, Issue 14, Article Number 2250085 Impact Factor: 1.475 Quartile: 3 Citations: 3 DOI: 10.1142/S0217751X22500853	2022
Phantom traversable wormholes in modified teleparallel gravity <i>Ibrar Hussain G. Mustafa Kashif Ammar Yasir Allah Ditta</i> <i>Chinese Journal of Physics</i> , Volume 77, Pages 1253-1268 Impact Factor: 5.00 Quartile: 1 Citations: 7 DOI: 10.1016/j.cjph.2022.03.004	2022
Optical properties of an axially symmetric black hole in the Rastall gravity <i>Bakhtiyor Narzilloev Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov</i> <i>European Physical Journal Plus</i> , Volume 137, Article Number 645 Impact Factor: 3.911 Quartile: 1 Citations: 19 DOI: 10.1140/epjp/s13360-022-02872-8	2022
Traversable wormholes in Einsteinian-cubic-gravity with hybrid shape functions <i>Ibrar Hussain Ghulam Mustafa</i> <i>International Journal of Geometric Methods in Modern Physics</i> , Volume 19, No. 05, Article Number 2250074 Impact Factor: 1.874 Quartile: 2 Citations: 9 DOI: 10.1142/S0219887822500748	2022
Effect of dark energy models on the energy content of charged and rotating black holes <i>Asia Liaqat Ibrar Hussain</i> <i>Chinese Physics C</i> , Volume 46(1), Article Number 015101 Impact Factor: 2.145 Quartile: 3 Citations: 4 DOI: 10.1088/1674-1137/ac2e66	2022
Dynamics and fundamental frequencies of test particles orbiting Kerr–Newman–NUT–Kiselev black hole in Rastall gravity <i>Bakhtiyor Narzilloev Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov Cosimo Bambi</i> <i>European Physical Journal Plus</i> , Volume 136, Article Number 1032 Impact Factor: 3.911 Quartile: 1 Citations: 25 DOI: 10.1140/epjp/s13360-021-02039-x	2021
A study of traversable wormhole solutions in extended teleparallel theory of gravity with matter coupling <i>Allah Ditta Ibrar Hussain G. Mustafa Abdelghani Errehymy Mohammed Daoud</i>	2021

<p><i>European Physical Journal C</i> , 81, 880, 2021</p> <p>Impact Factor: 4.590 Quartile: 2 Citations: 49</p> <p>DOI: 10.1140/epjc/s10052-021-09668-7</p>	
<p>Motion of particles and gravitational lensing around the (2+1)-dimensional BTZ black hole in Gauss–Bonnet gravity</p> <p><i>Bakhtiyor Narzilloev Sanjar Shaymatov Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov Cosimo Bambi</i></p> <p><i>European Physical Journal C</i> , Volume 81, Article Number: 849</p> <p>Impact Factor: 4.590 Quartile: 2 Citations: 40</p> <p>DOI: 10.1140/epjc/s10052-021-09617-4</p>	2021
<p>Epicyclic oscillations of test particles near marginally stable circular orbits around charged Kiselev black holes</p> <p><i>Dmitriy Ovchinnikov Muhammad Umar Farooq Ibrar Hussain Ahmadjon Abdujabbarov Bobomurat Ahmedov Zdeněk Stuchlík</i></p> <p><i>Physical Review D</i> , Volume 104, Article Number 063027</p> <p>Impact Factor: 5.407 Quartile: 1 Citations: 17</p> <p>DOI: https://doi.org/10.1103/PhysRevD.104.063027</p>	2021
<p>Traversable Wormholes in the Extended Teleparallel Theory of Gravity with Matter Coupling</p> <p><i>G. Mustafa Mushtaq Ahmad Ali Ovgun M. Farasat Shamir Ibrar Hussain</i></p> <p><i>Fortschritte der Physik (Progress of Physics)</i>, Article Number 2100048, Pages 1-21</p> <p>Impact Factor: 5.532 Quartile: 1 Citations: 51</p> <p>DOI: 10.1002/prop.202100048</p>	2021
<p>Probing Szekeres' colliding sandwich gravitational waves</p> <p><i>Kamran Qadir Abbasi Ibrar Hussain Asghar Qadir</i></p> <p><i>European Physical Journal Plus</i>, Volume 136, Article Number 565</p> <p>Impact Factor: 3.758 Quartile: 2 Citations: 3</p> <p>DOI: 10.1140/epjp/s13360-021-01558-x</p>	2021
<p>Radial and circular motion of photons and test particles in the Schwarzschild black hole with quintessence and string clouds</p> <p><i>Ghulam Mustafa Ibrar Hussain</i></p> <p><i>European Physical Journal C</i> , Volume 81, Article Number 419</p> <p>Impact Factor: 4.994 Quartile: 2 Citations: 44</p> <p>DOI: 10.1140/epjc/s10052-021-09195-5</p>	2021
<p>Anisotropic stellar structures in the f(T) theory of gravity with quintessence via embedding approach</p> <p><i>Allah Ditta Mushtaq Ahmad Ibrar Hussain Ghulam Mustafa</i></p> <p><i>Chinese Physics C</i> , Volume 45(4), Article Number 045102</p> <p>Impact Factor: 2.944 Quartile: 2 Citations: 19</p> <p>DOI: 10.1088/1674-1137/abdfbd</p>	2021
<p>Control of double Fano resonances to double optomechanically induced transparencies in a four-mirror cavity set</p> <p><i>Zia Uddin Muhammad Awais Ibrar Hussain Saeed Ahmad Muqaddar Abbas</i></p> <p><i>Journal of Physics B: Atomic, Molecular and Optical Physics</i>, Volume 54, Article Number 055403</p> <p>Impact Factor: 1.655 Quartile: 3 Citations: 4</p> <p>DOI: 10.1088/1361-6455/abde52</p>	2021
<p>Gravitational energy of the spherically symmetric static and charged black holes encircled by the dark energy through approximate Lie symmetries</p> <p><i>Asia Liaqat Ibrar Hussain</i></p> <p><i>Physica Scripta</i> , Volume 96(5), Article Number 055206</p> <p>Impact Factor: 3.081 Quartile: 2 Citations: 2</p> <p>DOI: 10.1088/1402-4896/abe5d0</p>	2021
<p>Realistic and dark stellar models via embedding approach in the Rastall gravity</p> <p><i>G Mustafa Ibrar Hussain M Farasat Shamir Xia Tie-Cheng</i></p> <p><i>Physica Scripta</i> , Volume 96, Article Number 045009</p> <p>Impact Factor: 3.081 Quartile: 2 Citations: 32</p> <p>DOI: 10.1088/1402-4896/abe0f0</p>	2021
<p>Influence of the degree of spatial coherence on the Goos–Hänchen shifts for a three-dimensional Dirac semimetal</p>	2020

<p>Waqar Ahmad Ibrar Hussain Ziauddin You Lin Chaung Muqaddar Abbas</p> <p><i>Physica B-Candance Matter</i> , Volume 599, Article Number 412469</p> <p>Impact Factor: 2.436 Quartile: 3 Citations: 2</p> <p>DOI: 10.1016/j.physb.2020.412469</p>	
<p>Spherically symmetric static wormhole models in the Einsteinian cubic gravity</p> <p>Ghulam Mustafa Tie-Cheng Xia Ibrar Hussain M. Farasat Shamir</p> <p><i>International Journal of Geometric Methods in Modern Physics</i>, Volume 17(14), Article Number 2050214</p> <p>Impact Factor: 1.874 Quartile: 2 Citations: 14</p> <p>DOI: 10.1142/S021988782050214X</p>	2020
<p>Noether symmetries of LRS Bianchi type-I spacetime in $f(R, \phi, \chi)$ gravity</p> <p>Adnan Malik M. Farasat Shamir Ibrar Hussain</p> <p><i>International Journal of Geometric Methods in Modern Physics</i>, Volume 17, No.11, Article Number 2050163</p> <p>Impact Factor: 1.874 Quartile: 2 Citations: 40</p> <p>DOI: 10.1142/S0219887820501637</p>	2020
<p>Lorentz distributed wormhole solutions in $f(T)$ gravity with off-diagonal tetrad under conformal motions</p> <p>Asifa Ashraf G. Mustafa Mushtaq Ahmad Asifa Ashraf G. Mustafa Mushtaq Ahmad Ibrar Hussain</p> <p><i>Modern Physics Letters A</i> , Volume 35, No.29, Article Number 2050240</p> <p>Impact Factor: 2.066 Quartile: 3 Citations: 8</p> <p>DOI: 10.1142/S0217732320502405</p>	2020
<p>Coherent control of symmetric and asymmetric diffraction grating via relative phase</p> <p>Ziauddin Sobia Asghar Ibrar Hussain Rahmat Ullah Muqaddar Abbas</p> <p><i>Journal of Modern Optics</i> , Volume 67, No. 8, Pages 737–745</p> <p>Impact Factor: 1.464 Quartile: 3 Citations: 4</p> <p>DOI: 10.1080/09500340.2020.1769761</p>	2020
<p>Stable Wormholes in the Background of an Exponential $f(R)$ Gravity</p> <p>Ghulam Mustafa Ibrar Hussain M Farasat Shamir</p> <p><i>Universe</i> , Volume 6, Issue 4, Article Number 48</p> <p>Impact Factor: 2.278 Quartile: 3 Citations: 29</p> <p>DOI: 10.3390/universe6040048</p>	2020
<p>Investigation of PT- and PT-antisymmetry in two dimensional (2D) optical lattices</p> <p>Muqaddar Abbas Aqiba Khurshid Ibrar Hussain Ziauddin</p> <p><i>Optics Express</i> , Volume 28, Issue 6, Pages 8003-8015</p> <p>Impact Factor: 3.894 Quartile: 1 Citations: 21</p> <p>DOI: 10.1364/OE.384073</p>	2020
<p>Four-dimensional Lorentzian plane symmetric static Ricci solitons</p> <p>Ibrar Hussain Tahirullah Suhail Khan Tahirullah Suhail Khan</p> <p><i>International Journal of Modern Physics D</i> , Vol. 28, No. 16, Article Number 2040010</p> <p>Impact Factor: 2.154 Quartile: 2 Citations: 7</p> <p>DOI: 10.1142/S0218271820400106</p>	2019
<p>Null and timelike geodesics of the Schwarzschild black hole with string cloud background</p> <p>Mahwish Batool Ibrar Hussain</p> <p><i>International Journal of Modern Physics D</i> , Volume 26, Issue 05, Article No.1741005</p> <p>Impact Factor: 2.171 Quartile: 2 Citations: 15</p> <p>DOI: 10.1142/S021827181741005X</p>	2017
<p>Null and Time-like Geodesics of the Schwarzschild Black Hole with String Cloud Background</p> <p>Mahwish Batool Ibrar Hussain</p> <p><i>International Journal of Modern Physics D</i> , Vol. 26, No. 5, Article Number 1741005 (14 pages)</p> <p>Impact Factor: 2.171 Quartile: 2 Citations: 16</p> <p>DOI: https://doi.org/10.1142/S021827181741005X</p>	2017
<p>Marginally stable circular orbits in the Schwarzschild black hole surrounded by quintessence matter</p> <p>Ibrar Hussain Sajid Ali</p> <p><i>European Physical Journal Plus</i> , Volume 131, Article Number 275</p> <p>Impact Factor: 1.753 Quartile: 2 Citations: 30</p> <p>DOI: DOI:10.1140/epjp/i2016-16275-3</p>	2016

<p>A study of positive energy condition in Bianchi V spacetimes via Noether symmetries</p> <p><i>Sajid Ali Ibrar Hussain</i> <i>European Physical Journal C</i> , Volume 76, Article Number 63</p> <p>Impact Factor: 5.297 Quartile: 1 Citations: 13 DOI: 10.1140/epjc/s10052-016-3903-5</p>	2016
<p>A Slowly Rotating Black Hole in Horava-Lifshitz Gravity and a 3+1 Dimensional Topological Black Hole: Motion of Particles and BSW Mechanism</p> <p><i>Ibrar Hussain Mubasher Jamil Bushra Majeed</i> <i>International Journal of Theoretical Physics</i>, Volume 54, Issue 5, Pages 1567-1577</p> <p>Impact Factor: 1.041 Quartile: 3 Citations: 19 DOI: 10.1007/s10773-014-2355-7</p>	2015
<p>Effect of a Quintessence Model on the Energy of the Reissner-Nordstrom Black Hole</p> <p><i>Ibrar Hussain Sajid Ali</i> <i>General Relativity and Gravitation</i> , Volume 47, Article Number 34</p> <p>Impact Factor: 1.668 Quartile: 2 Citations: 18 DOI: 10.1007/s10714-015-1883-7</p>	2015
<p>Dynamics of a charged particle around a slowly rotating Kerr black hole immersed in magnetic field</p> <p><i>Saqib Hussain Ibrar Hussain Mubasher Jamil</i> <i>European Physical Journal C</i> , Volume 74, Article Number 3210</p> <p>Impact Factor: 5.084 Quartile: 1 Citations: 75 DOI: doi:10.1140/epjc/s10052-014-3210-y</p>	2014
<p>Energy of a Slowly-Rotating Black hole in The Horava-Lifshitz Gravity by Using Approximate Lie Symmetry Methods</p> <p><i>Ibrar Hussain</i> <i>Journal of the Korean Physical Society</i> , Volume 65, Issue 6, Pages 879-883</p> <p>Impact Factor: 0.418 Quartile: 4 Citations: 6 DOI: https://doi.org/10.3938/jkps.65.879</p>	2014
<p>Black Holes and Collision Energy in the Centre-of-Mass Frame</p> <p><i>Ibrar Hussain</i> <i>Modern Physics Letters A</i> , Volume: 27, Issue: 12, Article Number 1250068</p> <p>Impact Factor: 1.110 Quartile: 3 DOI: 10.1142/S021773231250068X</p>	2012
<p>Centre-of-Mass Energy of Colliding Particles in the Background of Charged Black Strings</p> <p><i>Ibrar Hussain</i> <i>Journal of Physics: Conference Series</i> , Vol. 354, Article Number 012007</p> <p>Impact Factor: - Citations: 7 DOI: doi:10.1088/1742-6596/354/1/012007</p>	2012
<p>Generalized Second Law of Thermodynamics for FRW Cosmology with Power Law Entropy Correction</p> <p><i>Ibrar Hussain Ujjal Debnath Surajit Chattopadhyay Mubasher Jamil Ratbay Myrzakulov</i> <i>European Physical Journal C</i> , Volume 72, Number 2, Article Number 1875</p> <p>Impact Factor: 5.247 Quartile: 1 Citations: 37 DOI: 10.1140/epjc/s10052-012-1875-7</p>	2012
<p>Collision Energy in the Centre-of-Mass Frame for Rotating and Accelerating Black Holes</p> <p><i>Ibrar Hussain</i> <i>Modern Physics Letters A</i> , Volume:27, Issue:3, Article Number: 1250017</p> <p>Impact Factor: 1.110 Quartile: 3 Citations: 26 DOI: 10.1142/S0217732312500174</p>	2012
<p>Noether gauge symmetry approach in f(R) gravity</p> <p><i>Ibrar Hussain Mubasher Jamil F. M. Mahomed</i> <i>Astrophysics and Space Science</i> , Volume 337, Number 1, Pages 373-377</p> <p>Impact Factor: 2.064 Quartile: 2 Citations: 73 DOI: DOI:10.1007/s10509-011-0812-9</p>	2012
<p>Cosmic evolution in Brans-Dicke chameleon cosmology</p> <p><i>Mubasher Jamil Ibrar Hussain D. Momeni</i> <i>European Physical Journal Plus</i> , Volume 126, Number 9, Article Number 80</p>	2011

<p>Impact Factor: - Citations: 32 DOI: https://doi.org/10.1140/epjp/i2011-11080-2</p>	
<p>Thermodynamics of phantom energy in the presence of a Reissner-Nordstrom black hole <i>Mubasher Jamil Ibrar Hussain Muhammad Umar Farooq</i> <i>Astrophysics and Space Science</i>, Volume: 335 Issue: 2 Pages: 339-343 Impact Factor: 1.686 Quartile: 2 Citations: 15 DOI: 10.1007/s10509-011-0762-2</p>	2011
<p>Energy in the spacetime field of the charged rotating BTZ black hole via approximate Lie symmetries <i>Ibrar Hussain</i> <i>Physica Scripta</i>, Volume 83, Number 5, Article Number 055002 Impact Factor: 1.204 Quartile: 2 Citations: 7 DOI: https://doi.org/10.1088/0031-8949/83/05/055002</p>	2011
<p>Energy of the Kerr-Newman-AdS Black Hole by Using Approximate Lie Symmetries <i>Ibrar Hussain</i> <i>General Relativity and Gravitation</i>, Vol. 43, No. 4, Pages 1037-1045 Impact Factor: 2.069 Quartile: 1 Citations: 8 DOI: 10.1007/s10714-010-0961-0</p>	2011
<p>Noether symmetries and conserved quantities for spaces with a section of zero curvature <i>Ibrar Hussain Tooba Feroze</i> <i>Journal of Geometry and Physics</i>, Volume 61, Issue 3, Pages 658-662 Impact Factor: 0.818 Quartile: 2 Citations: 19 DOI: 10.1016/j.geomphys.2010.11.015</p>	2011
<p>Accretion of Phantom Energy and Generalized Second Law of Thermodynamics for Einstein-Maxwell-Gauss-Bonnet Black Hole <i>Mubasher Jamil Ibrar Hussain</i> <i>International Journal of Theoretical Physics</i>, Volume 50, Pages 465-472 Impact Factor: 0.845 Quartile: 3 Citations: 29 DOI: 10.1007/s10773-010-0553-5</p>	2011
<p>A note on Noether symmetries and conformal Killing vectors <i>Ibrar Hussain</i> <i>General Relativity and Gravitation</i>, Volume: 42, Issue: 8, Pages: 1791-1794 Impact Factor: 2.538 Quartile: 1 Citations: 7 DOI: 10.1007/s10714-010-0949-9</p>	2010
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<p>Curvature and Weyl Collineations of Bianchi V Spacetimes <i>U.Camci Ibrar Hussain Y.Kucukakca</i> <i>Journal of Geometry and Physics</i>, Volume 59, Issue 11, Pages 1476-1484 Impact Factor: 0.714 Quartile: 3 Citations: 13 DOI: 10.1016/j.geomphys.2009.07.008</p>	2009
<p>Approximate Noether Symmetries of the Geodesic Equations for the Charged- Kerr Spacetime and Re-scaling of Energy <i>Asghar Qadir Ibrar Hussain F. M. Mahomed</i> <i>General Relativity and Gravitation</i>, Volume 41, No. 10, Pages 2399-2414 Impact Factor: 2.616 Quartile: 2 Citations: 35 DOI: 10.1007/s10714-009-0772-3</p>	2009
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Second-Order Approximate Symmetries of the Geodesic Equations for the Reissner-Nordstrom Metric and Re-Scaling of Energy of a Test particle <i>Ibrar Hussain Fzal M. Mahmed Asghar Qadir</i> <i>Symmetry, Integrability and Geometry: Methods and Applications</i> , Vol. SIGMA3, 115, Pages 1-9 Impact Factor: - Citations: 33 DOI: 10.3842/SIGMA.2007.115	2007
Approximate Symmetries of Lagrangians for Plane Symmetric Gravitational Wave-like Spacetimes <i>Ibrar Hussain Asghar Qadir</i> <i>Nuovo Cimento della Societa Italiana di Fisica B</i> , Volume 122B(5), Pages 593-597 Impact Factor: 0.217 Quartile: 4 Citations: 11 DOI: 10.1393/ncb/i2007-10379-5	2007
Weyl Collineations that are not curvature collineations <i>Ibrar Hussain Asghar Qadir K. Saifullah</i> <i>International Journal of Modern Physics D</i> , Volume 14(8), Pages 1431-1437 Impact Factor: 1.225 Quartile: 3 Citations: 15 DOI: 10.1142/S021827180500695X	2005

Conference Proceedings

Connection between Lie Symmetries, Noether Symmetries and Collinations <i>Ibrar Hussain</i> <i>International Conference on Relativistics Astrophysics</i> , res.country(177,) Citations: N/A DOI: -	2015
NOETHER SYMMETRIES AND f(R) THEORY OF GRAVITY <i>Ibrar Hussain Sajid Ali</i> <i>The Thirteenth Marcel Grossmann Meeting</i> , res.country(196,) Citations: N/A DOI: https://doi.org/10.1142/9789814623995_0158	2012
Noether Symmetries of Geodesic Equations in Spacetimes <i>Ibrar Hussain</i> <i>13th Regional Conference on Mathematical Physics</i> , res.country(224,) Citations: N/A DOI: 10.1142/9789814417532_0009	2010

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