

Mubasher Jamil

Professor

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About

Dr. Mubasher Jamil is working as Professor in the School of Natural Sciences. Dr. Mubasher Jamil has a PhD in Mathematics. Dr. Mubasher Jamil has published 189 research articles & conference papers having a citation count of 7934, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Mathematics NUST, Islamabad , Pakistan	2005 - 2010
MSc in Mathematics Quaid-i-Azam University , Pakistan	2001 - 2004
BSc in (Mathematics & Physics) Quaid-i-Azam University , Pakistan	1999 - 2001

Experience

Professor School of Natural Sciences	2023- Present
Associate Professor School of Natural Sciences	2022 - 2023
Associate Professor School of Natural Sciences	2019 - 2022
Associate Professor School of Natural Sciences	2016 - 2019
Assistant Professor School of Natural Sciences	2013 - 2016
Assistant Professor School of Natural Sciences	2010 - 2013
Lecturer School of Natural Sciences	2010 - 2010
Professor Zhejiang University of Technology , ZJUT, Hangzhou, China	2019 - 2022

Awards

Abdus Salam Prize awarded by Pakistan Academy of Sciences
Best Research Paper Award HEC Islamabad
Best teacher award SNS Best teacher award

Research Articles

Epicyclic oscillations and accretion disk around a special Buchdahl-inspired spacetime <i>Mirzabek Alloqulov Mubasher Jamil Sanjar Shaymatov Qiang Wu Mustapha Azreg-Ainou</i> <i>Journal of High Energy Astrophysics</i> , Volume:48, Article Number 100424	2025
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Impact Factor: 10.500 Quartile: 1 DOI: 10.1016/j.jheap.2025.100424	
Spin precession frequencies of a test gyroscope around a naked singularity and quasi-periodic oscillations <i>Mubasher Jamil Mustapha Azreg Ainou Tehreem Zahra</i> <i>Nuclear Physics B</i>, Volume:1017, Article Number 116954 Impact Factor: 2.500 Quartile: 2 DOI: 10.1016/j.nuclphysb.2025.116954	2025
Shadows and Optical Appearances of Black Holes in R^2 Gravity <i>Khadije Jafarzade Mubasher Jamil Sanjar Shaymatov</i> <i>Astroparticle Physics</i>, Volume:168, Article Number: 103100 Impact Factor: 4.2 Quartile: 1 Citations: 2 DOI: 10.1016/j.astropartphys.2025.103100	2025
Shadow cast by the Kerr MOG black hole under the influence of plasma and constraints from EHT observations <i>Saira Yasmin Mubasher Jamil Khadije Jafarzade</i> <i>Chinese Physics C</i>, Volume:49, Issue:6, Article Number 065107 Impact Factor: 3.600 Quartile: 1 DOI: 10.1088/1674-1137/adb9c5	2025
Universal thermodynamic topological classes of black holes in perfect fluid dark matter background <i>Muhammad Rizwan Mubasher Jamil Muhammad Zubair Ali Mughal</i> <i>European Physical Journal C</i>, Volume 85, Article Number 359 Impact Factor: 4.200 Quartile: 2 Citations: 1 DOI: 10.1140/epjc/s10052-025-14070-8	2025
Gravitational lensing by a dark compact object in modified gravity and observational constraints from Einstein rings <i>Nagina Rehman Zoe C S Chan Mubasher Jamil Mustapha Azreg-Ainou</i> <i>European Physical Journal C</i>, Volume 85, Article Number 233 Impact Factor: 4.200 Quartile: 2 Citations: 2 DOI: 10.1140/epjc/s10052-025-13930-7	2025
Gravitational lensing and image distortion by Buchdahl inspired metric in R^2 gravity <i>Shafia Maryam Mubasher Jamil Mustapha Azreg-Ainou Zoe C.S. Chan</i> <i>Annals of Physics</i>, Volume: 473, Article Number: 169911 Impact Factor: 3 Quartile: 2 Citations: 8 DOI: 10.1016/j.aop.2024.169911	2025
Particle dynamics and quasi-periodic oscillations in the GUP-modified Schwarzschild spacetime: Constraint using micro-quasars data <i>Husanboy Hoshimov Odil Yunusov Farruh Atamurotov Mubasher Jamil Ahmadjon Abdujabbarov</i> <i>Astroparticle Physics</i>, Volume:165, Article Number: 103056, Pages: 09 Impact Factor: 4.2 Quartile: 1 Citations: 3 DOI: 10.1016/j.astropartphys.2024.103056	2025
Periodic orbits and their gravitational wave radiations around the Schwarzschild-MOG black hole <i>Oreeda Shabbir Mubasher Jamil Mustapha Azreg-Ainou</i> <i>Physics of the Dark Universe</i>, Volume 47, Article Number 101816 Impact Factor: 5.000 Quartile: 1 Citations: 3 DOI: 10.1016/j.dark.2025.101816	2025
Hamiltonian formulation of relativistic magnetohydrodynamic accretion on a general spherically symmetric and static black hole: quantum effects on shock states <i>Mustapha Azreg-Ainou Mubasher Jamil Sousuke Noda</i> <i>European Physical Journal C</i>, Volume 84, Article Number 1180 Impact Factor: 4.200 Quartile: 2 DOI: 10.1140/epjc/s10052-024-13491-1	2024
Observational test of Script R^2 spacetimes with the S2 star in the Milky Way galactic center <i>Jian-Ming Yan Tao Zhu Mustapha Azreg-Ainou Mubasher Jamil Hoang Ky Nguyen</i> <i>Journal of Cosmology and Astroparticle Physics</i>, Volume 2024, Pages 1-19	2024

Impact Factor: 5.300 Quartile: 1 Citations: 5 DOI: 10.1088/1475-7516/2024/07/071	
Kerr-Newman Black Holes in Weyl-Cartan Theory: Shadows and EHT constraints <i>Khadije Jafarzade Seyed Hossein Hendi Mubasher Jamil Sebastian Bahamonde</i> <i>Physics of the Dark Universe</i>, Volume 45, Article Number 101497 Impact Factor: 5.500 Quartile: 1 Citations: 10 DOI: 10.1016/j.dark.2024.101497	2024
Effect of magnetized plasma on shadow and gravitational lensing of a Reissner-Nordström black hole <i>Yovqochev Pahlavon Farruh Atamurotov Kimet Jusufi Mubasher Jamil Ahmadjon Abdujabbarov</i> <i>Physics of the Dark Universe</i>, Volume 45, Article Number 101543 Impact Factor: 5.000 Quartile: 1 Citations: 13 DOI: 10.1016/j.dark.2024.101543	2024
Observational tests of asymptotically flat R2 spacetimes <i>Tao Zhu Hoang Ky Nguyen Mustapha Azreg-Ainou Mubasher Jamil</i> <i>European Physical Journal C</i>, Volume 84, Article number 330, Pages: 13 Impact Factor: 4.4 Quartile: 2 Citations: 4 DOI: 10.1140/epjc/s10052-024-12610-2	2024
Weak gravitational lensing and shadow of a GUP-modified Schwarzschild black hole in the presence of plasma <i>Husanboy Hoshimov Odil Yunusov Farruh Atamurotov Mubasher Jamil Ahmadjon Abdujabbarov</i> <i>Physics of the Dark Universe</i>, Volume 43, Article Number 101392 Impact Factor: 5.5 Quartile: 1 Citations: 31 DOI: 10.1016/j.dark.2023.101392	2024
On the Parameters of the Spherically Symmetric Parameterized Rezzolla–Zhidenko Spacetime through Solar System Tests, the Orbit of the S2 Star about Sgr A*, and Quasiperiodic Oscillations <i>Sanjar Shaymatov Bobomurat Ahmedov Mariafelicia De Laurentis Mubasher Jamil Qiang Wu Anzhong Wang Mustapha Azreg-Ainou</i> <i>Astrophysical Journal</i>, Volume 959, Number 1, Article Number 6 Impact Factor: 4.9 Quartile: 1 Citations: 10 DOI: 10.3847/1538-4357/acfcba	2023
Three-dimensional charged black holes in Gauss–Bonnet gravity <i>Kimet Jusufi Mubasher Jamil Ahmad Sheykhi</i> <i>European Physical Journal C</i>, Volume 83, Issue 11, Article Number: 1039 Impact Factor: 4.4 Quartile: 2 Citations: 2 DOI: 10.1140/epjc/s10052-023-12194-3	2023
Quantum effects on the black hole shadow and deflection angle in the presence of plasma <i>Farruh Atamurotov Mubasher Jamil Kimet Jusufi</i> <i>Chinese Physics C</i>, Volume 47, Number 3 Impact Factor: 2.944 Quartile: 2 Citations: 30 DOI: 10.1088/1674-1137/acaef7	2023
Testing Born–Infeld f(T) teleparallel gravity through Sgr A observations <i>Kimet Jusufi Salvatore Capozziello Sebastian Bahamonde Mubasher Jamil</i> <i>European Physical Journal C</i>, Volume 82, Article Number: 1018 Impact Factor: 4.994 Quartile: 2 Citations: 20 DOI: 10.1140/epjc/s10052-022-10971-0	2022
Constraints on the magnetized Ernst black hole spacetime through quasiperiodic oscillations <i>Sanjar Shaymatov Mubasher Jamil Kimet Jusufi Kazuharu Bamba</i> <i>European Physical Journal C</i>, Volume 82, Issue 7, Article Number 636 Impact Factor: 4.991 Quartile: 2 Citations: 29 DOI: 10.1140/epjc/s10052-022-10560-1	2022
Constraining wormhole geometries using the orbit of S2 star and the Event Horizon Telescope <i>Kimet Jusufi Saurabh Kumar Mustapha Azreg-Ainou Mubasher Jamil Qiang Wu Cosimo Bambi</i> <i>European Physical Journal C</i>, Volume 82, Issue 7, Article Number 633 Impact Factor: 4.991 Quartile: 2 Citations: 20 DOI: 10.1140/epjc/s10052-022-10603-7	2022

Equatorial and Polar Quasinormal Modes and Quasiperiodic Oscillations of Quantum Deformed Kerr Black Hole <i>Kimet Jusufi Mustapha Azreg-Aïnou Mubasher Jamil Qiang Wu</i> <i>Universe</i> , Volume 8(4), Article Number 210 Impact Factor: 2.278 Quartile: 3 Citations: 9 DOI: 10.3390/universe8040210	2022
Quasiperiodic oscillations, quasinormal modes and shadows of Bardeen–Kiselev Black Holes <i>Javlon Rayimbaev Bushra Majeed Mubasher Jamil Kimet Jusufi Anzhong Wang</i> <i>Physics of the Dark Universe</i> , Volume 35, Article Number 100930 Impact Factor: 4.243 Quartile: 2 Citations: 65 DOI: https://doi.org/10.1016/j.dark.2021.100930	2022
Constraining the generalized uncertainty principle through black hole shadow, S2 star orbit, and quasiperiodic oscillations <i>Kimet Jusufi Mustapha Azreg-Aïnou Mubasher Jamil Tao Zhu</i> <i>International Journal of Geometric Methods in Modern Physics</i> , Volume 19, No. 5, Article Number 2250068 (25 pages) Impact Factor: 1.874 Quartile: 2 Citations: 10 DOI: 10.1142/S0219887822500682	2022
Dynamics of test particles around charged black holes in Einstein–Æther gravity <i>Javlon Rayimbaev Ahmadjon Abdujabbarov Mubasher Jamil Wen-Biao Han Malika Khudoyberdieva</i> <i>Modern Physics Letters A</i> , Volume 37, Issue 33-34, Article Number 2250220 Impact Factor: 1.594 Quartile: 3 Citations: 4 DOI: 10.1142/S0217732322502200	2022
Constraints on Barrow Entropy from M87* and S2 Star Observations <i>Kimet Jusufi Mustapha Azreg-Aïnou Mubasher Jamil Emmanuel Saridakis</i> <i>Universe</i> , Volume 8(2), Article Number 102 Impact Factor: 2.278 Quartile: 3 Citations: 42 DOI: 10.3390/universe8020102	2022
Stability and phase transition of rotating Kaluza–Klein black holes <i>Mubasher Jamil Syed Hossein Hendi Somayeh Hajkhalili Mehrab Momennia</i> <i>European Physical Journal C</i> , Volume 81, Article Number: 1112 Impact Factor: 4.590 Quartile: 2 Citations: 14 DOI: 10.1140/epjc/s10052-021-09836-9	2021
Axion-plasmon or magnetized plasma effect on an observable shadow and gravitational lensing of a Schwarzschild black hole <i>Mubasher Jamil Farruh Atamurotov Kimet Jusufi Ahmadjon Abdujabbarov Mustapha Azreg-Aïnou</i> <i>Physical Review D</i> , Volume 104(6), Article Number 064053 Impact Factor: 5.407 Quartile: 1 Citations: 64 DOI: 10.1103/PhysRevD.104.064053	2021
Dynamics and epicyclic motions of particles around the Schwarzschild–de Sitter black hole in perfect fluid dark matter <i>Mubasher Jamil Javlon Rayimbaev Sanjar Shaymatov</i> <i>European Physical Journal C</i> , Volume 81, Article Number: 699 Impact Factor: 4.590 Quartile: 2 Citations: 54 DOI: 10.1140/epjc/s10052-021-09488-9	2021
Modeling the Sgr A* Black Hole Immersed in a Dark Matter Spike <i>Mubasher Jamil Sourabh Nampalliwar Sourabh Kumar Kimet Jusufi Qiang Wu Paolo Salucci</i> <i>Astrophysical Journal</i> , Volume 916, Number 2, Article Number 116 Impact Factor: 5.874 Quartile: 1 Citations: 65 DOI: https://doi.org/10.3847/1538-4357/ac05cc	2021
Testing the weak cosmic censorship conjecture for a Reissner–Nordström–de Sitter black hole surrounded by perfect fluid dark matter <i>Mubasher Jamil Sanjar Shaymatov Bobomurat Ahmedov</i> <i>European Physical Journal C</i> , Volume 81, Article Number 588 Impact Factor: 4.590 Quartile: 2 Citations: 47 DOI: 10.1140/epjc/s10052-021-09398-w	2021

Dynamics of magnetized particles around Einstein-Æther black hole with uniform magnetic field <i>Mubasher Jamil Javlon Rayimbaev Ahmadjon Abdujabbarov Wen-Biao Han</i> <i>Nuclear Physics B</i> , Volume 966, Article Number 115364 Impact Factor: 2.759 Quartile: 2 Citations: 29 DOI: 10.1016/j.nuclphysb.2021.115364	2021
Quasinormal modes, quasiperiodic oscillations, and the shadow of rotating regular black holes in nonminimally coupled Einstein-Yang-Mills theory <i>Mubasher Jamil Kimet Jusufi Mustapha Azreg-Aïnou Shao-Wen Wei Anzhong Wang Qiang Wu</i> <i>Physical Review D</i> , Volume 103, Issue 2, Article Number 024013 Impact Factor: 5.407 Quartile: 1 Citations: 85 DOI: 10.1103/PhysRevD.103.024013	2021
Spherical Accretion Flow onto General Parameterized Spherically Symmetric Black Hole Spacetimes <i>Mubasher Jamil Sen Yang Cheng Liu Tao Zhu Li Zhao Qiang Wu Ke Yang</i> <i>Chinese Physics C</i> , Volume 45(1), Article Number 015102 Impact Factor: 2.145 Quartile: 1 Citations: 15 DOI: 10.1088/1674-1137/abc066	2021
Shadow, quasinormal modes, and quasiperiodic oscillations of rotating Kaluza-Klein black holes <i>Mubasher Jamil M. Ghasemi-Nodehi Kimet Jusufi Mustapha Azreg-Aïnou</i> <i>Physical Review D</i> , Volume 102, Article Number 104032 Impact Factor: 5.296 Quartile: 1 Citations: 69 DOI: 10.1103/PhysRevD.102.104032	2020
Overcharging dilaton black holes in (2 + 1) dimensions to extremality and beyond <i>Mubasher Jamil Koray Düztaş</i> <i>International Journal of Geometric Methods in Modern Physics</i> , Volume 17, No. 14, Article Number 2050207 (13 pages) Impact Factor: 1.874 Quartile: 2 Citations: 8 DOI: 10.1142/S0219887820502072	2020
Dynamics of test particles around renormalization group improved Schwarzschild black holes <i>Javlon Rayimbaev Ahmadjon Abdujabbarov Mubasher Jamil Bobomurat Ahmedov Wen-Biao Han</i> <i>Physical Review D</i> , Volume 102(8), Article Number 084016 Impact Factor: 5.296 Quartile: 1 Citations: 50 DOI: 10.1103/PhysRevD.102.084016	2020
Orbital mechanics and quasiperiodic oscillation resonances of black holes in Einstein Aether theory <i>Mustapha Azreg-Aïnou Zihang Chen Bojun Deng Mubasher Jamil Tao Zhu Qiang Wu Yen-Kheng Lim</i> <i>Physical Review D</i> , Volume 102, Article Number 044028 Impact Factor: 5.296 Quartile: 1 Citations: 39 DOI: 10.1103/PhysRevD.102.044028	2020
Testing cosmic censorship conjecture for extremal and near-extremal (2 + 1)-dimensional MTZ black holes <i>Koray Düztaş Mubasher Jamil Sanjar Shaymatov Bobomurat Ahmedov</i> <i>Classical and Quantum Gravity</i> , Volume 37(17), Article Number 175005 Impact Factor: 3.528 Quartile: 2 Citations: 27 DOI: 10.1088/1361-6382/ab9d96	2020
X-ray reflection spectroscopy with Kaluza–Klein black holes <i>Jiachen Zhu Askar B. Abdikamalov Dmitry Ayzenberg Mustapha Azreg-Aïnou Cosimo Bambi Mubasher Jamil Sourabh Nampalliwar Ashutosh Tripathi Menglei Zhou</i> <i>European Physical Journal C</i> , Volume 80, Article Number: 622 Impact Factor: 4.590 Quartile: 2 Citations: 21 DOI: 10.1140/epjc/s10052-020-8198-x	2020
Five-dimensional charged rotating minimally gauged supergravity black hole cannot be over-spun and/or over-charged in non-linear accretion <i>Sanjar Shaymatov Naresh Dadhich Bobomurat Ahmedov Mubasher Jamil Sanjar Shaymatov Naresh Dadhich Bobomurat Ahmedov</i> <i>European Physical Journal C</i> , Volume 80, Article Number 481 Impact Factor: 4.590 Quartile: 2 Citations: 30 DOI: 10.1140/epjc/s10052-020-8009-4	2020
Shadows of Sgr A • black hole surrounded by superfluid dark matter halo	2020

<i>Kimet Jusufi Mubasher Jamil Tao Zhu</i> <i>European Physical Journal C</i> , Volume 80, Article Number 354 Impact Factor: 4.590 Quartile: 2 Citations: 82 DOI: 10.1140/epjc/s10052-020-7899-5	
Shadow and quasinormal modes of a rotating loop quantum black hole <i>Cheng Liu Tao Zhu Qiang Wu Kimet Jusufi Mubasher Jamil Mustapha Azreg-Aïnou Anzhong Wang</i> <i>Physical Review D</i> , Volume 101(8), Article Number 084001 Impact Factor: 5.296 Quartile: 1 Citations: 164 DOI: 10.1103/PhysRevD.101.084001	2020
Instability and phase transitions of a rotating black hole in the presence of perfect fluid dark matter <i>Seyed Hossein Hendi Azadeh Nemati Kai Lin Mubasher Jamil</i> <i>European Physical Journal C</i> , Volume 80, Article Number 296 Impact Factor: 4.590 Quartile: 2 Citations: 44 DOI: 10.1140/epjc/s10052-020-7829-6	2020
Gyroscope precession frequency analysis of a five-dimensional charged rotating Kaluza-Klein black hole <i>Mustapha Azreg-Aïnou Mubasher Jamil Kai Lin Mustapha Azreg-Aïnou Kai Lin</i> <i>Chinese Physics C</i> , Volume 44, No. 6, Article Number 065101 Impact Factor: 2.145 Quartile: 2 Citations: 12 DOI: 10.1088/1674-1137/44/6/065101	2020
Rotating regular black holes in conformal massive gravity <i>Kimet Jusufi Mubasher Jamil Hrishikesh Chakrabarty Qiang Wu Cosimo Bambi Anzhong Wang</i> <i>Physical Review D</i> , Volume 101, Article Number 044035 Impact Factor: 5.296 Quartile: 1 DOI: 10.1103/PhysRevD.101.044035	2020
Traversable wormholes supported by GUP corrected Casimir energy <i>Kimet Jusufi Phongpichit Channuie Mubasher Jamil</i> <i>European Physical Journal C</i> , Volume 80, Article Number 127 Impact Factor: 4.590 Quartile: 2 Citations: 95 DOI: 10.1140/epjc/s10052-020-7690-7	2020
Shadow Images of a Rotating Dyonic Black Hole with a Global Monopole Surrounded by Perfect Fluid <i>Mubasher Jamil Sumarna Haroon Kimet Jusufi</i> <i>Universe</i> , Volume 6(2), Article Number 23 Impact Factor: 2.278 Quartile: 3 Citations: 42 DOI: 10.3390/universe6020023	2020
Alternative approach to thermodynamic phase transitions <i>Seyed Hossein Hendi Shahram Panahiyan Behzad Eslam Panah Mubasher Jamil</i> <i>Chinese Physics C</i> , Volume: 43, Issue: 11, Article Number: 113106 Impact Factor: 2.463 Quartile: 2 Citations: 17 DOI: DOI: 10.1088/1674-1137/43/11/113106	2019
Shadows and deflection angle of charged and slowly rotating black holes in Einstein-AEther theory <i>Tao Zhu Qiang Wu Mubasher Jamil Kimet Jusufi</i> <i>Physical Review D</i> , Volume: 100, Issue: 4, Article Number: 044055 Impact Factor: 4.833 Quartile: 1 Citations: 143 DOI: DOI:10.1103/PhysRevD.100.044055	2019
Black Hole Surrounded by a Dark Matter Halo in the M87 Galactic Center and its Identification with Shadow Images <i>Tao Zhu Kimet Jusufi Mubasher Jamil Paolo Salucci Sumarna Haroon</i> <i>Physical Review D</i> , Volume 100, Issue 4, Article Number 044012 Impact Factor: 4.833 Quartile: 1 Citations: 147 DOI: 10.1103/PhysRevD.100.044012	2019
On the possibility of wormhole formation in the galactic halo due to dark matter Bose-Einstein condensates <i>Kimet Jusufi Mubasher Jamil Muhammad Rizwan</i> <i>General Relativity and Gravitation</i> , Volume: 51, Issue: 8, Article Number: 102	2019

Impact Factor: 2.030 Quartile: 2 Citations: 31 DOI: DOI:10.1007/s10714-019-2586-2	
String analog of Reissner-Nordström black holes cannot be overcharged <i>Koray Duztas Mubasher Jamil</i> <i>Modern Physics Letters A</i> , Volume 34, Article Number 1950248 Impact Factor: 1.391 Quartile: 2 Citations: 19 DOI: 10.1142/S0217732319502481	2019
Rotating normal and phantom Einstein-Maxwell-dilaton black holes: Geodesics analysis <i>Mustapha Azreg-Aïnou Sumarna Haroon Mubasher Jamil Muhammad Rizwan</i> <i>International journal of Modern Physics D</i> , Volume: 28 Issue: 4 Article Number: 1950063 Impact Factor: 2.154 Quartile: 2 Citations: 15 DOI: https://doi.org/10.1142/S0218271819500639	2019
Shadow and Deflection Angle of Rotating Black Holes in Perfect Fluid Dark Matter with a Cosmological Constant <i>Mubasher Jamil Sumarna Haroon Kimet Jusufi Kai Lin Robert B. Mann</i> <i>Physical Review D</i> , Volume 99, Issue 4, Article Number 044015 Impact Factor: 4.833 Quartile: 1 Citations: 165 DOI: 10.1103/PhysRevD.99.044015	2019
Black holes in the turbulence phase of viscous rip cosmology <i>Iver Brevik Mubasher Jamil</i> <i>International Journal of Geometric Methods in Modern Physics</i> , Volume: 16 Issue: 2 Article Number: 1950030 Impact Factor: 1.287 Quartile: 3 Citations: 25 DOI: https://doi.org/10.1142/S0219887819500300	2019
Distinguishing a Kerr-like black hole and a naked singularity in perfect fluid dark matter via precession frequencies <i>Muhammad Rizwan Mubasher Jamil Kimet Jusufi</i> <i>Physical Review D</i> , Volume: 99, Issue: 2, Article Number: 024050 Impact Factor: 4.833 Quartile: 1 Citations: 44 DOI: DOI: 10.1103/PhysRevD.99.024050	2019
Spherical accretion by normal and phantom Einstein-Maxwell-dilaton black holes <i>Ayyesha Kanwal Ahmed Mubasher Jamil Mustapha Azreg-Aïnou</i> <i>Classical and Quantum Gravity</i> , Volume 35, Issue 23, Article Number 235001 Impact Factor: 3.487 Quartile: 1 Citations: 16 DOI: 10.1088/1361-6382/aae997	2018
Distinguishing a rotating Kiselev black hole from a naked singularity using the spin precession of a test gyroscope <i>Muhammad Rizwan Mubasher Jamil Anzhong Wang</i> <i>Physical Review D</i> , Volume 98, Article No. 024015 Impact Factor: 4.368 Quartile: 1 Citations: 27 DOI: 10.1103/PhysRevD.98.024015	2018
The effects of running gravitational coupling on rotating black holes <i>Sumarna Haroon Mubasher Jamil Kai Lin Petar Pavlovic Marko Sossich Anzhong Wang</i> <i>European Physical Journal C</i> , NULL Impact Factor: 4.843 Quartile: 1 Citations: 20 DOI: https://doi.org/10.1140/epjc/s10052-018-5986-7	2018
Products of Thermodynamic Parameters of the Generalized Charged Rotating Black Hole and the Reissner-Nordstrom Black Hole with a Global Monopole <i>Bushra Majeed Mubasher Jamil</i> <i>Gravitation and Cosmology</i> , Volume 23, Issue 4, Pages 384-391 Impact Factor: 0.870 Quartile: 4 Citations: 2 DOI: https://doi.org/10.1134/S0202289317040132	2017
Generalized second law of thermodynamic in modified teleparallel theory <i>Muhammad Zubair Sebastian Bahamonde Mubasher Jamil</i> <i>European Physical Journal C</i> , Volume: 77 Issue: 7 Article Number: 472 Impact Factor: 5.172 Quartile: 1 Citations: 31	2017

- DOI: 10.1140/epjc/s10052-017-5043-y
- Strong gravitational lensing by a charged Kiselev black hole** 2017
Mustapha Azreg-Aïnou Sebastian Bahamonde Mubasher Jamil
European Physical Journal C, Volume: 77, Issue: 6, Article Number: 414
Impact Factor: 5.172 | Quartile: 1 | Citations: 37
 DOI: 10.1140/epjc/s10052-017-4969-4
- Dynamics and Centre of Mass Energy of Colliding Particles Around Black Hole in $f(R)$ Gravity** 2017
Bushra Majeed Mubasher Jamil
International Journal of Modern Physics D, Volume: 26 Issue: 5 Special Issue: SI Article Number: 1741017
Impact Factor: 2.171 | Quartile: 2 | Citations: 22
 DOI: 10.1142/S0218271817410176
- Dynamics and center of mass energy of colliding particles around black hole in $f(R)$ gravity** 2017
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International journal of Modern Physics D, Volume: 26 Issue: 5 Special Issue: SI Article Number: 1741017
Impact Factor: 2.171 | Quartile: 2 | Citations: 22
 DOI: 10.1142/S0218271817410176
- Dynamics of Particles Around a Regular Black Hole with Nonlinear Electrodynamics** 2016
Abdul Jawad Farhad Ali Mubasher Jamil Ujjal Debnath
Communications in Theoretical Physics, Volume 66, No. 5, Pages 509-516
Impact Factor: 0.989 | Quartile: 3 | Citations: 39
 DOI: <https://doi.org/10.1088/0253-6102/66/5/509>
- Scalar-tensor teleparallel wormholes by Noether symmetries** 2016
Sebastian Bahamonde Ugur Camci Salvatore Capozziello Mubasher Jamil
Physical Review D - Particles, Fields, Gravitation and Cosmology, Volume 94, Issue 8, Article Number 084042
Impact Factor: 4.557 | Quartile: 1 | Citations: 88
 DOI: 10.1103/PhysRevD.94.084042
- Accretion on Reissner-Nordström-(anti)-de Sitter black hole with global monopole** 2016
Ayyesha Kanwal Ahmed Ugur Camci Mubasher Jamil
Classical and Quantum Gravity, Volume 33, Issue 21, Article Number 215012
Impact Factor: 3.119 | Quartile: 1 | Citations: 30
 DOI: doi:10.1088/0264-9381/33/21/215012
- Cosmological wormholes in $f(R)$ theories of gravity** 2016
Sebastian Bahamonde Mubasher Jamil Petar Pavlovic Marko Sossich
Physical Review D, Volume 94, Issue 4, Article Number 044041
Impact Factor: 4.557 | Quartile: 1 | Citations: 92
 DOI: DOI:10.1103/PhysRevD.94.044041
- Astrophysical flows near $f(T)f(T)$ gravity black holes** 2016
Ayyesha Kanwal Ahmed Mustapha Azreg-Aïnou Sebastian Bahamonde Salvatore Capozziello Mubasher Jamil
European Physical Journal C, Volume 76, Article Number 269
Impact Factor: 5.297 | Quartile: 1 | Citations: 58
 DOI: 10.1140/epjc/s10052-016-4118-5
- Cyclic and heteroclinic flows near general static spherically symmetric black holes** 2016
Ayesha Kanwal Ahmed Mustapha Azreg-Aïnou Mir Faizal Mubasher Jamil
European Physical Journal C, Volume 76, Article Number 280
Impact Factor: 5.297 | Quartile: 1 | Citations: 36
 DOI: 10.1140/epjc/s10052-016-4112-y
- Dynamics of a charged particle around a weakly magnetized naked singularity** 2016
Gulmina Zaman Babar Mubasher Jamil Yen-Kheng Lim
International Journal of Modern Physics D, Volume 25, Issue 2, Article Number 1650024
Impact Factor: 2.476 | Quartile: 2 | Citations: 53
 DOI: DOI:10.1142/S0218271816500243
- Particle Dynamics around Weakly Magnetized Reissner-Nordstrom Black Hole** 2015
Bushra Majeed Mubasher Jamil Saqib Hussain
Advances in High Energy Physics, Volume 2015, Article ID 671259, 11 pages
Impact Factor: 1.839 | Quartile: 3 | Citations: 13

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Chaos, solitons and fractals Reviewed Papers for Journals Impact Factor: 5.6	2025
Physics of the dark universe Reviewed Papers for Journals Impact Factor: 6.4	2025
International Journal of Modern Physics D Reviewed Papers for Journals Impact Factor: 2.1	2025
Physics open Reviewed Papers for Journals Impact Factor: 1.4	2025

Physics Letters A Reviewed Papers for Journals Impact Factor: 2.6	2025
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European Physical Journal C Reviewed Papers for Journals Impact Factor: 4.2	2025
Annals of physics Reviewed Papers for Journals Impact Factor: 3.0	2025
Physics of the dark universe Reviewed Papers for Journals Impact Factor: 5.0	2025
Journal of High Energy Astrophysics Reviewed Papers for Journals Impact Factor: 10.2	2025
Journal of High Energy Astrophysics Reviewed Papers for Journals Impact Factor: 10.1	2025
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Nuclear Physics B Reviewed Papers for Journals Impact Factor: 2.5	2025
General Relativity and Gravitation Reviewed Papers for Journals Impact Factor: 2.1	2025
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Journal of High Energy Astrophysics Reviewed Papers for Journals Impact Factor: 1	2024
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Classical and Quantum Gravity Reviewed Papers for Journals Impact Factor: 3.853	2022
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