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EDUCATION

- **PhD in *Theoretical Physics***
Shahrood University of Technology, Shahrood, Iran (2007).
- **Msc in *Atomic-Molecular physics***
Amir Kabir University of Technology, Tehran, Iran (1996).
- **Bsc in *physics***
Teacher Training University, Karaj, Iran (1993).

HONORS AND AWARDS

- Top researcher of Shahrood University of Technology in 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016.

PROFESSIONAL APPOINTMENTS

- Professor: Physics Department, Shahrood University of Technology, Since 2016
- Associate Professor: Physics Department, Shahrood University of Technology, Since 2011
- Assistant Professor: Physics Department, Shahrood University of Technology, Since 2007

PROFESSIONAL MEMBERSHIPS

- Member of top researchers of selected faculties among all fields of Iran.
- Member Scientific Committee of the Conference of quantum information, Ahvaz, Iran (2013).
- Member of Research Committee of Shahrood University of Technology.

PROFESSIONAL SERVICES

- Executive Secretary of the Conference of quantum information, Shahrood, Iran (2014).



PUBLICATIONS

• BOOKS

1. Translation of "*Problem and Solution in Quantum Mechanics*" in Persian, (*Gostareh: Iran*) (2008).
2. "*Nobel Prize in Physics*" in Persian, (*Gostareh: Iran*) (2009).
3. "*Analytical Approach on the Wave Equations of Quantum Mechanics*" in Persian, in publishing process (2015).

• SCIENTIFIC ARTICLES

1. Information Theoretic Global Measures of Dirac Equation With Morse and Trigonometric Rosen–Morse Potentials
SA Najafzade, H Hassanabadi, S Zarrinkamar
Few-Body Systems 58 (5) 149 (2017)
2. Study of the Generalized Isotonic Oscillators Interaction in Semileptonic Decays of Bottom Mesons and Baryons
S Rahmani, H Hassanabadi
Few-Body Systems 58 (5) 150 (2017)
3. Study of energy and B (E2) transition rates for Davydov–Chaban Hamiltonian with generalized Davidson potential
AN Ikot, H Sobhani, H Hassanabadi
Nuclear Physics A 963 1 (2017)
4. Classical mechanics in the de Sitter space
Won Sang Chung, Hassan Hassanabadi
Journal of the Korean Physical Society 71 (1) 13 (2017)
5. Quantum many-body system in presence of time-dependent potential and electric field
Hadi Sobhani, Hassan Hassanabadi
Journal of the Korean Physical Society 71 (1) 8 (2017)
6. Morse potential of the q-deformed in the Duffin–Kemmer–Petiau equation
Sepideh Sargolzaeipor, Hassan Hassanabadi, Abdelmalek Boumali
International Journal of Geometric Methods in Modern Physics 14 1750112 (2017)

7. Mass spectra of meson molecular states for heavy and light sectors
S. Rahmani, H. Hassanabadi
Chinese Physics C DOI: 10.1088/1674-1137/41/9/093105 (2017)
8. Statistical properties of the q-deformed relativistic Dirac Oscillator in minimal length quantum mechanics
S Sargolzaeipor, H Hassanabadi, WS Chung
Canadian Journal of Physics, <https://doi.org/10.1139/cjp-2016-0875> (2017)
9. Investigation of Energy and B (E2) Transition Rates for Bohr Hamiltonian with Generalized Davidson Potential
Hassan Hassanabadi, Hadi Sobhani, Akpan Ndem Ikot
Nuclear Physics A 966 82 (2017)
10. Observations of the Ramsauer–Townsend effect in quaternionic quantum mechanics
Hadi Sobhani, Hassan Hassanabadi, Won Sang Chung
The European Physical Journal C 77 (6) 425 (2017)
11. Investigation of the spectroscopy properties of deformed nuclei by combining the X (3) and E (5) models
M Alimohammadi, H Hassanabadi
The European Physical Journal A 53 (6) 129 (2017)
12. f-Deformed Boson Algebra Related to Gentile Statistics
Won Sang Chung, Hassan Hassanabadi
International Journal of Theoretical Physics 56 (6) 1746 (2017)
13. Investigation of the hybrid model with the killingbeck potential in a variational approach
M Alimohammadi, H Hassanabadi
Nuclear Physics A 966 34 (2017)
14. γ -rigid version of Bohr Hamiltonian with the modified Davidson potential in the position-dependent mass formalism
H Hassanabadi, M Alimohammadi, S Zare
Modern Physics Letters A 32 (14) 1750085 (2017)
15. Study of ground state binding energies of the single Ξ and Λ hypernuclei by using numerical computation
A Armat, H Hassanabadi
Canadian Journal of Physics <https://doi.org/10.1139/cjp-2017-0011> (2017)

16. Analytical solution of Bohr Hamiltonian and extended form of sextic potential using bi-confluent Heun functions
H Sobhani, AN Ikot, H Hassanabadi
The European Physical Journal Plus 132 (5) 240 (2017)
17. New face of Ramsauer–Townsend effect by using a Quaternionic double Dirac potential
Hadi Sobhani, Hassan Hassanabadi
Indian Journal of Physics <https://doi.org/10.1007/s12648-017-1010-6> (2017)
18. Approximate bound and scattering solutions of Dirac equation for the modified deformed Hylleraas potential with a Yukawa-type tensor interaction
H Hassanabadi, AN Ikot, CP Onyenegecha, S Zarrinkamar
Indian Journal of Physics <https://doi.org/10.1007/s12648-017-1009-z> (2017)
19. Scattering and bound states for the Hulthén potential in a cosmic string background
Mansoureh Hosseinpour, Fabiano M Andrade, Edilberto O Silva, Hassan Hassanabadi
The European Physical Journal C 77 (5) 270 (2017)
20. Alpha decay half-lives for heavy and super-heavy isotopes
SS Hosseini, H Hassanabadi, S Zarrinkamar
International Journal of Modern Physics E 26 (05) 1750024 (2017)
21. Investigation of Bohr–Mottelson Hamiltonian in γ –rigid version with position dependent mass
M Alimohammadi, H Hassanabadi, S Zare
Nuclear Physics A 960 78 (2017)
22. Observation of Ultra Fine Structures in Energy Levels of Prolate Nuclei
Hassan Hassanabadi, Hadi Sobhani
arXiv preprint [arXiv:1704.07703](https://arxiv.org/abs/1704.07703) (2017)
23. Thermal Entanglement, Specific Heat and Quantum Discord in Open Quantum Systems Including Non-Markovian Processes
Behzad Lari, Hassan Hassanabadi
arXiv preprint [arXiv:1704.02811](https://arxiv.org/abs/1704.02811) (2017)
24. Bohr Hamiltonian with hyperbolic Pöschl-Teller potential for triaxial nuclei
L Naderi, H Hassanabadi
The European Physical Journal Plus 132 (4) 171 (2017)
25. Correction of harmonic motion and Kepler orbit based on the minimal momentum uncertainty

- Won Sang Chung, Hassan Hassanabadi
Physics Letters A 381 (11) 949 (2017)
26. Theoretical approaches to alpha decay half-lives of super-heavy nuclei
SS Hosseini, H Hassanabadi
Chinese physics C 41 (6) 64101 (2017)
 27. Electronic states in core/shell $GaN/YxGa_{1-x}N$ quantum well (QW) with the modified Pöschl–Teller plus Woods–Saxon potential in the presence of electric field
MC Onyeaju, AN Ikot, CA Onate, E Aghemenloh, H Hassanabadi
International Journal of Modern Physics B 31 1750119 (2017)
 28. The q-deformed Dirac oscillator in the presence of a magnetic field in (1+ 2)-dimensions in Noncommutative phase space
Journal of the Korean Physical Society 70 (6) 557 (2017)
 29. Investigation of Conformable Fractional Schrödinger Equation in Presence of Killingbeck and Hyperbolic Potentials
Won Sang Chung, Soroush Zare, Hassan Hassanabadi
Communications in Theoretical Physics 67 (3) 250 (2017)
 30. Scattering of position-dependent mass Schrödinger equation with delta potential
The European Physical Journal Plus 132 (3) 135 (2017)
 31. Dynamics of a Particle in a Viscoelastic Medium with Conformable Derivative
International Journal of Theoretical Physics 56 (3) 851 (2017)
 32. Scattering study of a modified cusp potential in conformable fractional formalism
Won Sang Chung, Saber Zarrinkamar, Soroush Zare, Hassan Hassanabadi
Journal of the Korean Physical Society 70 (4) 348 (2017)
 33. Alternative solution of the gamma-rigid Bohr Hamiltonian in minimal length formalism
M Alimohammadi, H Hassanabadi
Nuclear Physics A 957 439 (2017)
 34. Electric quadrupole transitions for some isotopes of Xenon; considering rigidity for $\gamma = 30^\circ$ collective parameter
Hadi Sobhani, Hassan Hassanabadi
Nuclear Physics A 957 177 (2017)
 35. q-Deformed Relativistic Fermion Scattering
Hadi Sobhani, Won Sang Chung, Hassan Hassanabadi
Advances in High Energy Physics 2017 9530874 (2017)

36. Investigation of relativistic bosons in the presence of two-dimensional time-dependent harmonic interaction
Hadi Sobhani, Hasan Hassanabadi
Physics of Particles and Nuclei Letters 14 (1) 83 (2017)
37. Investigation of the non-relativistic fermi-gas model by considering the position-dependent mass
S Zare, M de Montigny, H Hassanabadi
Journal of the Korean Physical Society 70 (2) 122 (2017)
38. Investigation of quasi-Morse potential in position-dependent mass formalism
H Hassanabadi, S Zare
The European Physical Journal Plus 132 (1) 49 (2017)
39. The Statistical Properties of the-Deformed Dirac Oscillator in One and Two Dimensions
Abdelmalek Boumali, Hassan Hassanabadi
Advances in High Energy Physics 2017, 9371391 (2017)
40. The α -Deformed Calculus and Some Physical Applications
Advanced Studies in Theoretical Physics 11 (2) 37 (2017)
41. Solutions of Dirac equation for a new improved pseudo-Coulomb ring-shaped potential
AN Ikot, MC Onyeaju, MI Ngwueke, HP Obong, IO Owate, H Hassanabadi
Karbala International Journal of Modern Science 2 (4) 280 (2016)
42. Relativistic Dirac-attractive radial problem with Yukawa-like tensor interaction via SUSYQM
Akpan N Ikot, Saber Zarrinkamar, Soroush Zare, Hassan Hassanabadi
Chinese Journal of Physics 54 (6) 968 (2016)
43. The spin-zero Duffin-Kemmer-Petiau equation in a cosmic-string space-time with the Cornell interaction
M de Montigny, M Hosseinpour, H Hassanabadi
International Journal of Modern Physics A 31 (36) 1650191 (2016)
44. Optimal temperature for alpha-decay half-lives with Yukawa proximity potential
SS Hosseini, H Hassanabadi, S Zarrinkamar
International Journal of Modern Physics E 25 (12) 1650109 (2016)
45. Thermodynamic properties of neutral particle in the presence of topological defects in magnetic cosmic string background
The European Physical Journal C 76 (10) 553 (2016)

46. Gamma-rigid regime of the Bohr–Mottelson Hamiltonian in energy-dependent approach
M Alimohammadi, H Hassanabadi
International Journal of Modern Physics E 25 (10) 1650087 (2016)
47. Scattering states of Dirac particle equation with position-dependent mass under the cusp potential
M Chabab, A El Batoul, H Hassanabadi, M Oulne, S Zare
The European Physical Journal Plus 131 11 387 (2016)
48. Investigation of a time-dependent two-body system via the Lewis-Riesenfeld dynamical invariant method
Journal of the Korean Physical Society 69 (10) 1509 (2016)
49. Spin-zero DKP equation with two time-dependent interactions
The European Physical Journal A 52 (11) 346 (2016)
50. Properties of Quasi-Oscillator in Position-Dependent Mass Formalism
Soroush Zare, Hassan Hassanabadi
Advances in High Energy Physics 2016 4717012 (2016)
51. Effects of Coulomb-like potential on γ -rigid prolate nuclei considering minimal length formalism
M Alimohammadi, H Hassanabadi, H Sobhani
Modern Physics Letters A 31 (35) 1650193 (2016)
52. Klein-Gordon equation particles in exponential-type molecule potentials and their thermodynamic properties in D dimensions
AN Ikot, BC Lutfuoglu, MI Ngwueke, ME Udoh, S Zare, H Hassanabadi
The European Physical Journal Plus 131 (12) 419 (2016)
53. Scattering states of the Schrödinger equation with a position-dependent-mass and a non-central potential
M Chabab, A El Batoul, M Oulne, H Hassanabadi, S Zare
Journal of the Korean Physical Society 69 (11) 1619 (2016)
54. Davydov–Chaban Hamiltonian in presence of time-dependent potential
H Sobhani, H Hassanabadi
Physics Letters B 760, 1-5 (2016)
55. Nonrelativistic Shannon Information Entropy for Killingbeck Potential

- SA Najafizade, H Hassanabadi, S Zarrinkamar
Canadian Journal of Physics (2016)
56. Scattering and bound states of Dirac Equation in presence of cosmic string for Hulthé n potential
M Hosseinpour, FM Andrade, EO Silva, H Hassanabadi
arXiv preprint arXiv:1608.03558 (2016)
57. Study of Davydov–Chaban approach considering shifted Killingbeck potential for any l-state
H Sobhani, H Hassanabadi
Modern Physics Letters A, 1650152 (2016)
58. Semileptonic decay properties of Λ_b baryon in potential model
S Rahmani, H Hassanabadi
The European Physical Journal Plus 131 (8), 260 (2016)
59. Dirac equation with some time-dependent electromagnetic terms
K Saeedi, S Zarrinkamar, H Hassanabadi
Modern Physics Letters A 31 (23), 1650132 (2016)
60. The Effects of the modified scalar product on the properties of the one-dimensional harmonic oscillator with energy-dependent potential
A Boumali, D Samia, H Hassanabadi, S Zare
arXiv preprint arXiv:1607.02123 (2016)
61. Duffin-Kemmer-Petiau equation in curved space-time with scalar linear interactions
H Hassanabadi, M Hosseinpour, M de Montigny
arXiv preprint arXiv:1607.01418 (2016)
62. Non-relativistic scattering amplitude for a new multi-parameter exponential-type potential
BH Yazarloo, H Mehraban, H Hassanabadi
Chinese Physics B 25 (8), 080302 (2016)
63. Shannon information entropies for the three-dimensional Klein-Gordon problem with the Pöschl-Teller potential
M Ghafourian, H Hassanabadi
Journal of the Korean Physical Society 68 (11), 1267-1271 (2016)
64. On the Study of Non-Relativistic Spin Half-Integer Systems
H Sobhani, H Hassanabadi
arXiv preprint arXiv:1605.09158 (2016)

65. Non-relativistic s-wave binding energies of Λ -particle in hypernuclei
A Armat, H Hassanabadi
Modern Physics Letters A 31 (14), 1650084 (2016)
66. Linear and Nonlinear Optical Properties in Spherical Quantum Dots: Generalized Hulthén Potential
MC Onyeaju, JOA Idiodi, AN Ikot, M Solaimani, H Hassanabadi
Few-Body Systems, 1-13 (2016)
67. Exact Solutions of Schrödinger Equation with Improved Ring-Shaped Non-Spherical Harmonic Oscillator and Coulomb Potential
AN Ikot, IO Akpan, TM Abbey, H Hassanabadi
Communications in Theoretical Physics 65 (5), 569 (2016)
68. Rashba Effect in Presence of Time-Dependent Interaction
H Sobhani, H Hassanabadi
Communications in Theoretical Physics 65 (5), 543 (2016)
69. Bohr Hamiltonian with Eckart potential for triaxial nuclei
L Naderi, H Hassanabadi
The European Physical Journal Plus 131 (5), 1-6 (2016)
70. Bound and Scattering State of Position Dependent Mass Klein–Gordon Equation with Hulthén Plus Deformed-Type Hyperbolic Potential
AN Ikot, HP Obong, TM Abbey, S Zare, M Ghafourian, H Hassanabadi
Few-Body Systems, 1-16 (2016)
71. Scattering of massive Dirac particles by a Kink-like potential
A Ikot, HP Obong, H Hassanabadi, TM Abbey, S Zarrinkamar
Annales Universitatis Mariae Curie-Sklodowska, sectio AAA–Physica 70, 121 (2016)
72. Analytical solutions of Schrödinger equation with new solvable potential family $V(r) = A/r^2 - B/r + Cr^{\ell} + 1$ via Nikiforov-Uvarov (NU) method
AD Antia, IO Akpan, AN Ikot, E Maghsoodi, S Zarrinkamar, ...
Annales Universitatis Mariae Curie-Sklodowska, sectio AAA–Physica 70, 167 (2016)
73. Study of Time Evolution for Approximation of Two-Body Spinless Salpeter Equation in Presence of Time-Dependent Interaction
H Sobhani, H Hassanabadi
Advances in High Energy Physics 2016 (2016)

74. Bohr Hamiltonian with time-dependent potential
L Naderi, H Hassanabadi, H Sobhani
International Journal of Modern Physics E 25 (04), 1650029 (2016)
75. Study of Heavy-Light Mesons Properties Via the Variational Method for Cornell Interaction
H Hassanabadi, M Ghafourian, S Rahmani
Few-Body Systems 57 (4), 249-254 (2016)
76. The Semileptonic Decay Modes $\bar{B} \rightarrow D \ell \bar{\nu}$ and $B_s \rightarrow D_s \ell \bar{\nu}$:
A New Analysis in Potential Model
H Hassanabadi, S Rahmani, S Zarrinkamar
Few-Body Systems 57 (4), 241-247 (2016)
77. Cornell potential in generalized uncertainty principle formalism: the case of Schrödinger
equation
K Jahankohan, S Zarrinkamar, H Hassanabadi
Quantum Studies: Mathematics and Foundations 3 (1), 109-114 (2016)
78. Nonrelativistic Shannon information entropy for Kratzer potential
SA Najafzade, H Hassanabadi, S Zarrinkamar
Chinese Physics B 25 (4), 040301 (2016)
79. Decay rates and branching ratios of $Xi_b \rightarrow Xi_c$ and $\Lambda b \rightarrow \Lambda c$
modes
H Hassanabadi, S Rahmani
The European Physical Journal Plus 131 (2), 1-10 (2016)
80. Exactly separable Bohr Hamiltonian with the Killingbeck potential for triaxial nuclei
H Neyazi, AA Rajabi, H Hassanabadi
Nuclear Physics A 945, 80-88 (2016)
81. Mass chains of light hypernuclei and separation energies of mirror hypernuclei from BWMH
mass formula
A Armat, H Hassanabadi
Canadian Journal of Physics 94 (4), 365-369 (2016)
82. Scattering state of the multiparameter potential with an improved approximation for the
centrifugal term in D - dimensions
AN Ikot, EJ Ibanga, H Hassanabadi
International Journal of Quantum Chemistry 116 (2), 81-87 (2016)

- Dirac equation in minimal length quantum mechanics with energy-dependent harmonic potential
 AN Ikot, P Hooshmand, H Hassanabadi, EJ Ibanga
 Journal of Information and Optimization Sciences 37 (1), 101-109 (2016)
83. Scattering and Bound States of Klein–Gordon Particle with Hylleraas Potential Within Effective Mass Formalism
 MC Onyeaju, AN Ikot, EO Chukwuocha, HP Obong, S Zare, ...
 Few-Body Systems, 1-9 (2016)
84. Commutative vs. Noncommutative Space Statistical Properties of Two-Dimensional Harmonic Oscillator in Magnetic Field
 H Hassanabadi, Z Derakhshani, S Zarrinkamar
 Acta Physica Polonica A 129 (1), 3-7 (2016)
85. Scattering in quantum mechanics under quaternionic Dirac delta potential
 H Sobhani, H Hassanabadi
 Canadian Journal of Physics 94 (3), 262-266 (2015)
86. Spin and Pseudospin Symmetries of Hellmann Potential with Three Tensor Interactions Using Nikiforov–Uvarov Method
 AN Ikot, H Hassanabadi, TM Abbey
 Communications in Theoretical Physics 64 (6), 637 (2015)
87. Effect of a minimal length on the thermal properties of a Dirac oscillator
 A Boumali, L Chetouani, H Hassanabadi
 arXiv preprint arXiv:1511.05136 (2015)
88. Structural and thermodynamic properties of argon liquid as a square-well fluid based on a modification of the ORPA theory
 H Nikoofard, H Hassanabadi, M Ganjali Koli
 Physics and Chemistry of Liquids 53 (6), 685-695 (2015)
89. DKP equation in a rotating frame with magnetic cosmic string background
 M Hosseinpour, H Hassanabadi
 The European Physical Journal Plus 130 (11), 1-10 (2015)
90. Scattering states of Cusp potential in minimal length Dirac equation
 AN Ikot, H Hassanabadi, N Salehl, HP Obong, MC Onyeaju
 Indian Journal of Physics 89 (11), 1221-1226 (2015)

91. Effects of tensors coupling to Dirac equation with shifted Hulthén potential via SUSYQM
AN Ikot, BH Yazarloo, E Maghsoodi, S Zarrinkamar, H Hassanabadi
Journal of the Association of Arab Universities for Basic and Applied ... (2015)
92. Relativistic Ramsauer–Townsend effect in minimal length framework
K Jahankohan, H Hassanabadi, S Zarrinkamar
Modern Physics Letters A 30 (32), 1550173 (2015)
93. Motion of a Nonrelativistic Quantum Particle in Non-commutative Phase Space
H Fateme, M Kai, H Hassan
Chinese Physics Letters 32 (10), 100302 (2015)
94. A generalized interaction in noncommutative space: Both relativistic and nonrelativistic fields
H Hassanabadi, F Hoseini, S Zarrinkamar
The European Physical Journal Plus 130 (10), 1-7 (2015)
95. Semileptonic Decays of Ξ_b and Σ_b Baryons via the Three-Body Variational Approach
H Hassanabadi, S Rahmani
Few-Body Systems 56 (10), 691-696 (2015)
96. Non-central potentials in the cosmic string space–time
A Afshardoost, H Hassanabadi
Canadian Journal of Physics 94 (1), 71-74 (2015)
97. Two-Dimensional Linear Dependencies on the Coordinate Time-Dependent Interaction in Relativistic Non-Commutative Phase Space
H Sobhani, H Hassanabadi
Communications in Theoretical Physics 64 (3), 263 (2015)
98. The spin–orbit interaction in minimal length quantum mechanics; the case of a (2+ 1)-dimensional Dirac oscillator
S Zarrinkamar, K Jahankohan, H Hassanabadi
Canadian Journal of Physics 93 (12), 1638-1641 (2015)
99. Scattering State of Klein-Gordon Particles by-Parameter Hyperbolic Pöschl-Teller Potential
AN Ikot, HP Obong, IO Owate, MC Onyeaju, H Hassanabadi
Advances in High Energy Physics 2015 (2015)
100. Scattering amplitude of the Duffin-Kemmer-Petiau equation for the Yukawa potential for $J = 0$

N Salehi, H Hassanabadi
The European Physical Journal A 51 (8), 1-7 (2015)

101. Exact Solutions of the $(2+ 1)$ -Dimensional Dirac Oscillator under a Magnetic Field in the Presence of a Minimal Length in the Non-commutative Phase Space
A Boumali, H Hassanabadi
Zeitschrift für Naturforschung A 70 (8), 619-627 (2015)
102. Scattering states of Dirac equation in the presence of cosmic string for Coulomb interaction
M Hosseinpour, H Hassanabadi
International Journal of Modern Physics A 30 (21), 1550124 (2015)
103. Approximate arbitrary κ -state solutions of Dirac equation with Schiöberg and Manning-Rosen potentials within the coulomb-like Yukawa-like and generalized tensor interactions
AN Ikot, H Hassanabadi, HP Obong, H Mehraban, BH Yazarloo
Physics of Particles and Nuclei Letters 12 (4), 498-515 (2015)
104. Approximate Solutions of the Dirac Equation for the Hua Plus Modified Eckart Potential
AN Ikot, E Maghsoodi, AD Antia, H Hassanabadi, S Zarrinkamar
Arabian Journal for Science and Engineering 40 (7), 2063-2077 (2015)
105. Solutions of D-dimensional Klein–Gordon equation for multiparameter exponential-type potential using supersymmetric quantum mechanics
AN Ikot, HP Obong, H Hassanabadi, N Salehi, OS Thomas
Indian Journal of Physics 89 (7), 649-656 (2015)
106. A new model for calculating the binding energy of the lithium nucleus under the generalized Yukawa potential and Hellmann potential
M Ghazvini, N Salehi, H Hassanabadi, AA Rajabi
Chinese physics C 39 (6), 063106 (2015)
107. The modified Woods-Saxon potential in the Duffin-Kemmer-Petiau equation
M Darroodi, H Hassanabadi, N Salehi
The European Physical Journal A 51 (6), 1-5 (2015)
108. On the motion of a quantum particle in the spinning cosmic string space–time
H Hassanabadi, A Afshardoost, S Zarrinkamar
Annals of Physics 356, 346-351 (2015)
109. DKP Equation in a Rotating Frame with Magnetic Cosmic String Background

H Hassanabadi, M Hosseinpour
arXiv preprint arXiv:1505.00096 (2015)

110. Relativistic Symmetries of $(mD + 1)$ Dimensional Dirac Equation with Multiparameter Exponential-Type Potentials Using Supersymmetric Quantum Mechanics
AN Ikot, HP Obong, H Hassanabadi
Few-Body Systems 56 (4-5), 185-196 (2015)
111. Bound states of spinless particles in a short-range potential
H Hassanabadi, AS de Castro
Zeitschrift für Naturforschung A 70 (4), 245-249 (2015)
112. Scattering phase shifts of Dirac equation with Manning-Rosen potential and Yukawa tensor interaction
S Ortakaya, H Hassanabadi, E Maghsoodi
Indian Journal of Physics 89 (4), 307-316 (2015)
113. Schrödinger equation with modified Smorodinsky-Winternitz potential
AN Ikot, H Hassanabadi, E Maghsoodi, S Zarrinkamar
Turkish Journal of Physics 39 (1), 37-42 (2015)
114. Solution of Spinless Salpeter Equation with Generalized Hulthén Potential Using SUSYQM
AN Ikot, CN Isonguyo, YE Chad-Umoren, H Hassanabadi
Acta Physica Polonica A 127 (3), 674-677 (2015)
115. Relativistic Scattering States of the Hellmann Potential
BH Yazarloo, H Mehraban, H Hassanabadi
Acta Physica Polonica A 127 (3), 684-688 (2015)
116. Relativistic symmetries of a multiparameter exponential-type potential within Coulomb-like and Yukawa-like tensor interactions
HP Obong, AN Ikot, IO Owate, H Hassanabadi
Journal of the Korean Physical Society 66 (6), 867-876 (2015)
117. Analytical solutions of the DKP equation under Tietz-Hua potential in $(1+3)$ dimensions
AN Ikot, Z Molaei, E Maghsoodi, S Zarrinkamar, HP Obong, ...
Physics of Particles and Nuclei Letters 12 (2), 275-281 (2015)
118. Minimal Length Quantum Mechanics of Dirac Particles in Noncommutative Space
AN Ikot, HP Obong, H Hassanabadi
Chinese Physics Letters 32 (3), 030201 (2015)

119. Scattering state of coupled Hulthen–Woods–Saxon potentials for the Duffin–Kemmer–Petiau equation with Pekeris approximation for the centrifugal term
AN Ikot, HP Obong, JD Olisa, H Hassanabadi
Zeitschrift für Naturforschung A 70 (3), 185-191 (2015)
120. Thermodynamic Properties of the Three-Dimensional Dirac Oscillator with Aharonov–Bohm Field and Magnetic Monopole Potential H Hassanabadi, S Sargolzaeipor, BH Yazarloo
Few-Body Systems 56 (2-3), 115-124 (2015)
121. Dirac equation under Hellmann potential as pseudoscalar potential
AN Ikot, SE Etuk, H Hassanabadi, E Maghsoodi, S Zarrinkamar
Indian Journal of Physics 89 (3), 289-294 (2015)
122. Dirac Equation for Tietz Potential with Coulomb-like and Yukawa-like Tensor Interaction
AN Ikot, H Hassanabadi, SE Etuk, BH Yazarloo, S Zarrinkamar
The African Review of Physics 9 (2015)
123. A NEW MODEL FOR CALCULATING THE MASSES OF LIGHT BARYONS RESONANCES UNDER THE DECATIC POTENTIAL
N Salehi, H Hassanabadi
Romanian Reports in Physics 67 (2), 403-411 (2015)
124. Time Evolution of Some Modified Nonrelativistic Hamiltonians
H Hassanabadi, P Hooshmand
ZEITSCHRIFT FUR NATURFORSCHUNG SECTION AA JOURNAL OF PHYSICAL SCIENCES 70 (1 ... (2015)
125. Spectrum of light and strange baryon resonances under the decatic potential
N Salehi, H Hassanabadi
International Journal of Modern Physics E 24 (01), 1550002 (2015)
126. Dirac–Hulthén Problem Within Coulomb–Hulthén Tensor Interaction Via SUSYQM
AN Ikot, SE Etuk, BH Yazarloo, S Zarrinkamar, H Hassanabadi
Few-Body Systems 56 (1), 41-51 (2015)
127. The generalized uncertainty principle and harmonic interaction in three spatial dimensions
H Hassanabadi, P Hooshmand, S Zarrinkamar
Few-Body Systems 56 (1), 19-27 (2015)
128. The Linear Interaction in Noncommutative Space; Both Relativistic and Nonrelativistic Cases.

- H Hassanabadi, S Hosseini, S Zarrinkamar
International Journal of Theoretical Physics 54 (1) (2015)
129. Solution of Klein Gordon equation for some diatomic molecules with new generalized morse-like potential using SUSYQM
CN Isonguyo, IB Ituen, AN Ikot, H Hassanabadi
Bull. Korean Chem. Soc 35 (12), 3443 (2014)
130. The Relativistic Screened Coulomb plus Ringed-Shaped-Like Potential via Shape-Invariance Approach
AN Ikot, H Hassanabadi, HP Obong, Y Chad-Umoren
Zeitschrift für Naturforschung A 69 (12), 659-664 (2014)
131. Dirac Equation under Scalar and Vector Generalized Isotonic Oscillators and Cornell Tensor Interaction
H Hassanabadi, E Maghsoodi, AN Ikot, S Zarrinkamar
Advances in High Energy Physics 2014 (2014)
132. Improved variational approach in semileptonic decay of B meson for the Cornell potential
S Rahmani, H Hassanabadi
arXiv preprint arXiv:1411.0543 (2014)
133. Relativistic Fermi-Gas Model for Nucleus
H Hassanabadi, A Armat, L Naderi
Foundations of Physics 44 (11), 1188-1194 (2014)
134. Study of heavy-baryon transitions
H Hassanabadi, S Rahmani, S Zarrinkamar
Physical Review D 90 (7), 074024 (2014)
135. Approximate solutions of Klein—Gordon equation with improved Manning—Rosen potential in D -dimensions using SUSYQM
AN Ikot, H Hassanabadi, HP Obong, YEC Umoren, CN Isonguyo, ...
Chinese Physics B 23 (12), 120303 (2014)
136. The exact solutions of a $(2+ 1)$ -dimensional Dirac oscillator under a magnetic field in the presence of a minimal length
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