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SCHOOL OF GRADUATE STUDIES (SGS)

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THE NATIONAL ANTHEM

*Arise, O compatriots, Nigeria's call obey
To serve our fatherland
With love and strength and faith
The labor of our heroes past
Shall never be in vain
To serve with heart and might
One nation bound in freedom, peace, and unity.*

*Oh God of creation, direct our noble cause
Guide our leaders right
Help our youth the truth to know
In love and honesty to grow
And living just and true
Great lofty heights attain
To build a nation where peace and justice shall reign.*

THE NATIONAL PLEDGE

*I pledge to Nigeria, my country
To be faithful, loyal, and honest
To serve Nigeria with all my strength
To defend her unity
And uphold her honor and glory
So help me God.*



UNIVERSITY OF PORT HARCOURT ANTHEM

*On the green low lands and swampy plains
of the New calabar River stands
The University of Port Harcourt;
A citadel of learning and excellent education
A home of academic enthusiasts,
Searching, searching for knowledge and wisdom.
Enlightenment and self- reliance, our mission,
Our hope in the future is rooted in God alone;
The vision of our fathers shinning in the stars,
Opportunities, unlimited and equal,
Our progenies citizens of the universe,
From far and near: the pride of Uniport echoes.*

Refrain:

*Unique, Unique. Unique, Uniport
Unique, Unique, Unique Uniport*

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SCHOOL OF GRADUATE STUDIES

UNIVERSITY OF PORT HARCOURT

BACKGROUND

History of the School of Graduate Studies

At its 12th Meeting held on Wednesday, 19th July, 1978, Senate considered and approved Paper No. SP 77-78/060 titled “The General Regulations for Graduate Studies”. This paved the way for the take-off of graduate training in the 1979/80 academic year. The then School of Humanities and Biological Sciences gave admission to candidates in the programmes of M.A. Comparative Literature and M.Sc. Plant Physiology and Fisheries Biology.

Initially, the graduate programmes were administered by the School (now Faculties) and the Registry. In October 1982, the School of Graduate Studies was formally established with Professor E. J. Alagoa as the first Dean, and it became necessary to streamline the procedures for the operation of graduate programmes. The General Regulations approved by Senate required each Faculty to set up Departmental Graduate Studies Committees to make recommendations regarding all matters concerning graduate programmes to its Faculty Board. Senate also established the “Higher Degrees Committee” (a Committee of the School of Graduate Studies) to “advise Senate on all matters relating to higher degrees”.

Further in 1984, the Higher Degrees Committee recommended for the approval of Senate a paper entitled “Proposals for Amendment/ Streamlining of the School of Graduate Studies” initiated by the then Dean Professor Francis A. Onofeghara. At its 68th Meeting held on 23rd May, 1984, Senate considered and approved the paper No. SP/83- 84/134, which among other things, established the Board of the School of Graduate Studies to replace the Higher Degrees Committee, and a new organizational structure for the School of Graduate Studies with effect from October 1984.

Due to the expansion in the scope of activities of the School, the Senate of the University, at its 386th meeting held on 29th August, 2012, upgraded the status of the School of Graduate Studies to College of Graduate Studies with four Graduate Schools. In 2015, at the 411th Senate meeting held on the 26th August 2015 the College reverted back to School of Graduates Studies.

Vision of the School

To be ranked among the best Graduate Schools in Africa, in the provision of quality staff, programmes and facilities and renowned for its teaching, research, innovation and knowledge transfer.

Mission of the School

To pursue academic excellence, advancement of knowledge and community service through capability development, promotion of scholarship and policy relevant researches that address the challenges of contemporary society.

Objective

To implement Senate Policy and Guidelines for the initiation, consolidation and co-ordination of innovative research, provide quality administrative support for graduate programmes, equip research laboratories in the academic departments and ensure availability of data for national development.

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Biomedical and Petrochemical Technology, Mechanical Engineering, Chemical engineering, Civil engineering, Electronic/electrical engineering, among others.

Indexed/ Abstracted/ Listed in:

The Journal will be abstracted in the following Web of Science, Scopus, Chemical Abstracts Services, Index Copernicus,

Audience

The JSEAT published papers are target for students, and audience in the field of science, agricultural science, engineering and technology as well as professionals in academia, industry and government.

Peer Review Process

Manuscripts submitted to the UJSEAT must be approved by the Editor-in-chief followed by formal peer review process through double-blind peer-review process in conjunction with editorial board members and independent referees.

Aim and Scope

Journal of Science, Engineering, Agriculture and Technology (UJSEAT) is an open-access journal publishing full-length research papers and review articles. The journal is designed to be multidisciplinary in content and reach and covers a wide spectrum of Physics, Biology, Microbiology, Chemistry, Biochemistry, Pure and applied Mathematics, Environmental sciences, Geology, Computer Science, Crop Science, Animal Science, Agricultural Economics, Forestry, Agribusiness management, Agricultural extension, Forestry and wildlife management, Soil Science Food, nutrition and Home Science, Fisheries, Biomedical and Petrochemical Technology, Mechanical Engineering, Chemical engineering, Civil engineering, Electronic/electrical engineering, among others. It seeks submissions from students, researchers, academia, practitioners at all levels with the target of bringing advances in knowledge together for the covered themes.

Publication Fee

Nigeria: Authors are required to pay a non-refundable Article Processing Charge (APC) of N10,000. As soon as the manuscript is accepted for publication, authors are thereafter expected to pay a publication fee of N20,000.

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Article must adhere strictly to the manuscript preparation guidelines as explained below. The following is the chronological order of headings to be included in the article:

Main Sections:

Authors and Affiliations

Abstract

- 1. Introduction**
- 2. Materials and Methods**
- 3. Results and Discussion**
- 4. Conclusion**
- 5. References**

Headings

Authors are encouraged to number the article headings in Arabic style format.

For example:

- 1 Introduction
2. Methods
- 2.1 A brief Review of Functional Analysis Method
- 2.1.1 Analytical Solutions of the Schrodinger equation

Abbreviations

All abbreviations should be defined on first use in the text along with the abbreviation in parenthesis. Example Read only Memory (ROM).

Units and Symbols

Symbols should be used while referring to it. Example theta (θ). All units must be that of the International System of Units (SI units).

References

1. Published or accepted manuscripts of peer reviewed journals or conference publications should be included in the reference list.
- 2 Meetings, abstracts, conference talks, or papers that have been submitted but not yet accepted and internet sources should not be cited.
- 3 Full names of the Journals should be fully expanded and not abbreviated and also provide names of all coauthors;
- 4 No use of et al. in the References section.
- 5 Provide beginning page and ending page while referring a research article;
- 6 Provide DOI number/ hyperlink to the article if necessary
- 7 Recent references are strongly encouraged.

8 No restriction on the number of references.

Abstract

Abstract should highlight the main findings of their results which must add more value to the existing literature.

Keywords: Separate Keywords using semicolons example: Mathematica; Software; Malaria; Land, Resources.

1. Introduction

The introduction should highlight those recent development in the area of problem studied and should highlight the gaps and justify why the present work is undertaken.

2. Material and Method

It includes sampling, sample preparation, preparation of control sample, measurement, and details including Instrument and suppliers/ chemicals and suppliers, experimental set up, map/details of sampling site or study area, sampling methods/procedures, model specifications and source of sample.

3. Results and Discussion

Introduce and present results inform of frequency tables, pie charts, graphs and proceed to discuss them with literature.

4. Conclusion

In the conclusion section, besides wrapping up the research by reiterating the goal of the study and confirm the major results or outcomes and concrete recommendations be offered, some limitations of the current study can be reported. The authors should discuss these limitations from which research directions for future studies may be offered.

5. References

1. References for research articles

A. N. Ikot, L. F. Obagboye, U. S. Okorie, E. P. Inyang, P. O. Amadi, I. B. Okon, Abdel-Haleem Abdel-Aty, *European Physical Journal Plus* 137(2022) 1370.

2. References for published/conference proceedings:

Kapitsaki GM. Reflecting user privacy preferences in context-aware Web Services. Department of Computer Science University of Cyprus Nicosia, Cyprus. In: Proceedings of the IEEE 20th International Conference on Web Services. 2013. <https://doi.org/10.1109/ICWS.2013.26>

3 References for Books

M. Abramowitz and I. A. Stegun, *Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables* (Dover, New York, 1972). Pp. 23-37.

4 References for Book Chapter

Halpen-Felsher BL, Morrell HE. Preventing and reducing tobacco use. In: Berlan ED, Bravender T, editors. *Adolescent medicine today: a guide to caring for the adolescent patient* [Internet]. Singapore: World Scientific Publishing Co.; 2012 [cited 2019 Nov 3]. Chapter 18. Available from: https://doi.org/10.1142/9789814324496_0018

5 References for Internet source

Australian Medical Association [Internet]. Barton ACT: AMA; c1995-2012 . Junior doctors and medical students call for urgent solution to medical training crisis; 2012 Oct 22 [cited 2019 Nov 5]; [about 3 screens]. Retrieved on 4 April 2020 from: <https://ama.com.au/media/junior-doctors-and-medical-students-call-urgent-solution-medical-training-crisis>

Figure Guidelines

The file sizes for the figure should not exceed 20 MB. All figures must be cited in the text and all figure must have caption.

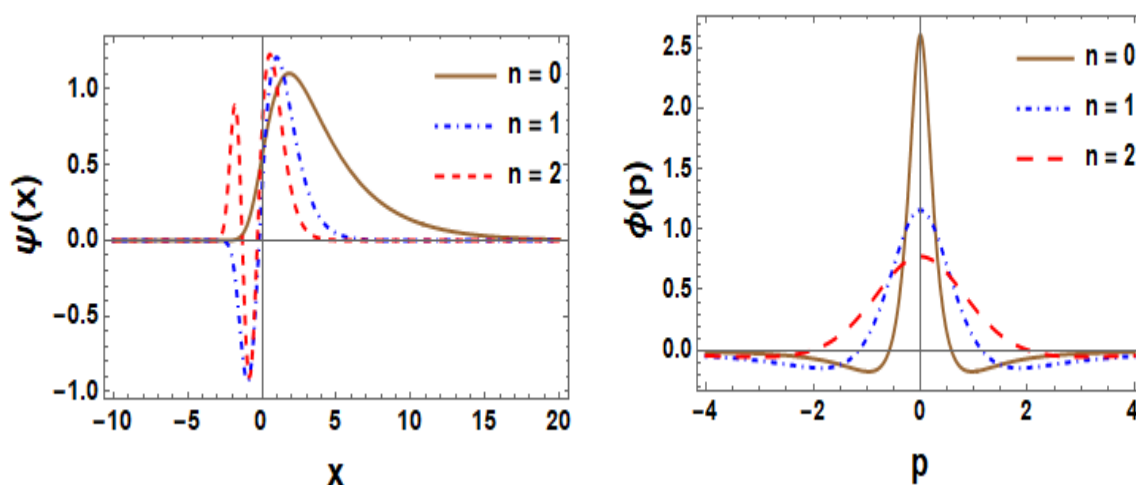


Figure 1: Wave function of the Position and Momentum spaces of shifted Morse Potential for ground, first and second excited states.

Table Guidelines

Tables should be included in the manuscript document and must be cited in the text. All tables should have a concise title and written as Table 1 as shown below:

Table 1: Numerical values of energy eigenvalues ($-E_n$) of shifted Morse Potential, where

$A = 0.1, D_e = 0.02, \alpha = 0.8, m = 1.0, \hbar = 1.0$

n	$A = 0.1, B = 1.0$	$A = 0.1, B = 1.5$	$A = 0.1, B = 2.0$
0	0.02396851613	0.02912952290	0.03235477070
1	0.5922741755	0.6103990945	0.6214088670
2	1.800579835	1.831668666	1.850462963
3	3.648885494	3.692938237	3.719517059
4	6.137191155	6.194207810	6.228571155
5	9.265496815	9.335477380	9.377625250
6	13.03380248	13.11674696	13.16667934
7	17.44210813	17.53801652	17.59573344
8	22.49041379	22.59928610	22.66478754
9	28.17871946	28.30055567	28.37384164
10	34.50702509	34.64182528	34.72289571