Review Form 1.7

Journal Name:	**Microbiology Research Journal International**
Manuscript Number:	**Ms_MRJI_103845**
Title of the Manuscript:	**Detection of ESBLs in Pseudomonas aeruginosa**
Type of the Article	**Original Research Article**

Review Form 1.7

PART 1: Review Comments

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Compulsory REVISION comments **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**Yes** **No objection** **Yes** **Yes** **Not quite** **Sufficient but not recent/current** **Molecular detection of blaPER-1, blaVEB-1, and blaPSE-1 β-lactamase genes from P. aeruginosa Severe Urogenital UTI Infection** NA Jalal, SH Hariri, AM Momenah… - Journal of Survey in …, **2023** - sifisheriessciences.com **Resistance genomics and molecular epidemiology of high-risk clones of ESBL-producing Pseudomonas aeruginosa in young children** S Patil, X Chen, S Dong, H Mai, BS Lopes… - … Cellular and **Infection** …, **2023** - frontiersin.org **Dissemination of Metallo-β-Lactamase-Producing *Pseudomonas aeruginosa* in Serbian Hospital Settings: Expansion of ST235 and ST654 Clones** J Kabic, G Fortunato, I Vaz-Moreira, D Kekic… - International Journal of …, **2023** - mdpi.com **Antibiotic Susceptibility and Plasmid Profiles of Pseudomonas aeruginosa from Humans, Animals, And Plants Sources** AM Momenah, S Alghamdi, S Khan… - … . C, Physiology and …, **2023** - eajbsc.journals.ekb.eg **Phenotypic and genotypic profile of ceftolozane/tazobactam-non-susceptible, carbapenem-**	

resistant *Pseudomonas aeruginosa*

CM Gill, DP Nicolau - Journal of antimicrobial chemotherapy, **2023** - academic.oup.com

Antimicrobial Profile of ESBL and MBL Producing P. aeruginosa from Clinical Specimens

SA Yadav, SK Pawar, SR Patil, GS Karande… - Korean Journal of …, **2023** - kjppor.com

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Molecular detection of blaPER-1, blaVEB-1, and blaPSE-1 β-lactamase genes from P. aeruginosa Severe Urogenital UTI Infection

NA Jalal, SH Hariri, AM Momenah… - Journal of Survey in …, **2023** - sifisheriessciences.com
… are mostly caused by **Pseudomonas aeruginosa**. Burn and wound infections are primarily caused by multidrug-resistant **P**. … **Detection** phenotypically of **ESBL** producers A vast number of …
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S Patil, X Chen, S Dong, H Mai, BS Lopes… - … Cellular and **Infection** …, **2023** - frontiersin.org
… one of the four **ESBL** production **detection** discs suggests the presence of **ESBL**. A Salmonella enterica … that both methods are potentially effective for **detecting** the **ESBL** enzyme in **P**. …
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[HTML] Dissemination of Metallo-β-Lactamase-Producing *Pseudomonas aeruginosa* in Serbian Hospital Settings: Expansion of ST235 and ST654 Clones

J Kabic, G Fortunato, I Vaz-Moreira, D Kekic… - International Journal of …, **2023** - mdpi.com
… In the present study, **ESBL**-encoding genes **detected** were bla PER-1 and bla GES-5 , found … -1-type **ESBLs** are the first reported **ESBLs** in **P**. **aeruginosa** and like most other **ESBLs** can …
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[HTML] Detection of extended-spectrum β-lactamase in Pseudomonas aeruginosa

R Aggarwal, U Chaudhary, K Bala - Indian Journal of Pathology …, 2008 - ijpmonline.org
… study was designed to **detect** the extended-spectrum β-lactamase (**ESBL**) production in **Pseudomonas aeruginosa** and to … Materials and Methods: One hundred forty-eight isolates of **P**. …
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… The prevalence of antibiotic resistance, the **discovery** of **ESBLs**, and the presence of … to antimicrobial resistance in contrast to the **determination** of trace and hospital settings, these …
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Phenotypic and genotypic profile of ceftolozane/tazobactam-non-susceptible, carbapenem-resistant *Pseudomonas aeruginosa*

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… carbapenemase and **ESBL**-type GES variants were **detected** in … , that are active against both **ESBL**- and carbapenemase-type … Other **ESBL**-type β-lactamases have been implicated in …
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… Thus, the present work was conducted to know **ESBL** and MBLproducing **P**. **aeruginosa** to assist in … These characteristics of enzymes are used in phenotypic tests used to **detect ESBL**-…
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Assessment of virulence factors and antimicrobial resistance among the *Pseudomonas aeruginosa* strains isolated from animal meat and carcass samples

…, M Ahmadi, F Fazeli, **P** Ariaii - Veterinary medicine and …, **2023** - Wiley Online Library

… of discs, sensititre EUMDROXF microplates and MTS gradient strips for the determination of the susceptibility of multidrug-resistant Pseudomonas aeruginosa …

…, A Biguenet, J Rousselot, M Bour, **P** Plésiat… - … and **Infection**, **2023** - Elsevier

Prevalence and molecular analysis of antibiotic resistance of Pseudomonas aeruginosa isolated from clinical and environmental specimens in Basra, Iraq

ZMM Alkhulaifi, KAS Mohammed - Iranian Journal of Microbiology, **2023** - ncbi.nlm.nih.gov

Oral and Rectal Colonization by Antimicrobial-Resistant Gram-Negative Bacteria and Their Association with Death among Residents of Long-Term Care …

T Kajihara, K Yahara, M Yoshikawa, A Haruta… - Gerontology, **2023** - karger.com

] Distribution of Class A Extended-Spectrum β-Lactamases Among Pseudomonas aeruginosa Clinical Strains Isolated from Ardabil Hospitals

F Hasanpour, N Ataei, A Sahebkar… - Jundishapur Journal of …, **2023** - brieflands.com

Multifactorial resistance mechanisms associated with resistance to ceftazidime-avibactam in clinical Pseudomonas aeruginosa isolates from Switzerland

B Babouee Flury, A Bösch, V Gisler, A Egli… - … Cellular and **Infection** …, **2023** - frontiersin.org

	… Spectrum Beta-Lactamase producing Klebsiella pneumoniae and Pseudomonas aeruginosa in a Tertiary Hospital in North-central Nigeria.: Detection of CTX-M and … KC Daam, DA Samuel, U Nwokoro… - Nigerian Medical …, **2023** - nigerianmedjournal.org **Evaluation of Efflux-Mediated Resistance and Biofilm formation in Virulent *Pseudomonas aeruginosa* Associated with Healthcare Infections** PA Akinduti, OW George, HU Ohore, OE Ariyo… - Antibiotics, **2023** - mdpi.com **Antimicrobial resistance pattern and molecular genetic distribution of metallo-β-lactamases producing *Pseudomonas aeruginosa* isolated from hospitals in Minia …** SM Farhan, RA Ibrahim, KM Mahran… - **Infection** and Drug …, 2019 - Taylor & Francis **Inclusion of molecular testing may perhaps have been added value to the study**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	Poor	
Optional/General comments	Requires serious language editorial assistance	

PART 2:

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**Oladiran Famurewa**
Department, University & Country	**Ekiti State University, Nigeria**