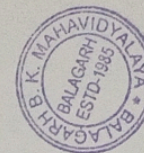




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#### 3.3.1 Number of research papers published per teacher in the Journals notified on UGC CARE list during the last five years

| Title of paper  | Name of the author/s | Department of the teacher | Name of journal                 | Calendar Year of publication | ISSN number | Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number |   | Is it listed in UGC Care list | Screenshots of Research Articles  |
|---|----------------------|---------------------------|---------------------------------|------------------------------|-------------|--|---|-------------------------------|---|
|   |                      |                           |                                 |                              |             | Link to website of the Journal   | Link to article / paper / abstract of the article   |                               |   |
| Revealing hidden steering nonlocality in a quantum network  | Dr Biswajit Paul     | Mathematics               | The European Physical Journal D | 2022                         | 1434-6079   | <a href="https://www.springer.com/journal/10053">https://www.springer.com/journal/10053</a>      | <a href="https://link.springer.com/article/10.1140/epjd/s10053-022-00469-5">https://link.springer.com/article/10.1140/epjd/s10053-022-00469-5</a>                                   | Yes                           | <a href="https://bbkm.ac.in/assets/uploads/files/8191d-screenshot-8-.pdf">https://bbkm.ac.in/assets/uploads/files/8191d-screenshot-8-.pdf</a> |
| Nanomechanical behaviour of green ceramics: Mg(OH)2 and MgO | Dr Namrata Saha      | Chemistry                 | Ceramics International          | 2022                         | 1873-3956   | <a href="http://www.elsevier.com/locate/ceramint">www.elsevier.com/locate/ceramint</a>           | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0272884222024920?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S0272884222024920?via%3Dihub</a> | Yes                           | <a href="https://bbkm.ac.in/assets/uploads/files/88a7f-screenshot-5-.pdf">https://bbkm.ac.in/assets/uploads/files/88a7f-screenshot-5-.pdf</a> |

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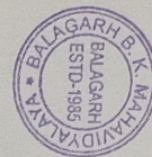




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|---|------------------|-------------|---|------|-----------|---|---|-----|---|
| Any two-qubit state has nonzero quantum discord under global unitary operations | Dr Biswajit Paul | Mathematics | The European Physical Journal D                               | 2021 | 1434-6079 | <a href="https://www.springer.com/journal/10053">https://www.springer.com/journal/10053</a> | <a href="https://link.springer.com/article/10.1140/epjd/s10053-021-00055-1">https://link.springer.com/article/10.1140/epjd/s10053-021-00055-1</a>   | Yes | <a href="https://bbkm.ac.in/assets/uploads/files/59f5d-screenshot-9-.pdf">https://bbkm.ac.in/assets/uploads/files/59f5d-screenshot-9-.pdf</a>   |
| Religion: A Subset of Dharma  | Mousumi Saha     | Philosophy  | Philosophical papers: Journal of the Department of Philosophy | 2021 | 0976-4496 | <a href="https://jpp.nbu.ac.in/home.aspx">https://jpp.nbu.ac.in/home.aspx</a>               | <a href="https://ir.nbu.ac.in/handle/123456789/4099">https://ir.nbu.ac.in/handle/123456789/4099</a>   | Yes | <a href="https://bbkm.ac.in/assets/uploads/files/22cf8-screenshot-6-.pdf">https://bbkm.ac.in/assets/uploads/files/22cf8-screenshot-6-.pdf</a>   |
| Shareability of quantum steering and its relation with                          | Dr Biswajit Paul | Mathematics | Physical Review A   | 2020 | 2469-9926 | <a href="https://journals.aps.org/prab/out">https://journals.aps.org/prab/out</a>           | <a href="https://journals.aps.org/prab/abstract/10.1103/PhysRevA.102.052209">https://journals.aps.org/prab/abstract/10.1103/PhysRevA.102.052209</a> | Yes | <a href="https://bbkm.ac.in/assets/uploads/files/2dea1-screenshot-10-.pdf">https://bbkm.ac.in/assets/uploads/files/2dea1-screenshot-10-.pdf</a> |

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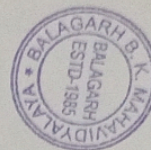




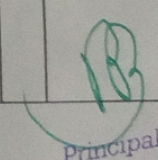
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|--|------------------|-------------|--------------------------------|------|-----------|---|---|-----|---|
| entanglement   |                  |             |                                |      |           |   |   |     |   |
| Persistence of Genuine Correlations Under Particle Loss                  | Dr Biswajit Paul | Mathematics | Physical Review A              | 2020 | 2469-9926 | <a href="https://journals.aps.org/prab/out">https://journals.aps.org/prab/out</a>             | <a href="https://journals.aps.org/prab/abstract/10.1103/PhysRevA.102.022401">https://journals.aps.org/prab/abstract/10.1103/PhysRevA.102.022401</a> | Yes | <a href="https://bbkm.ac.in/assets/uploads/files/b9bce-screenshot-11-.pdf">https://bbkm.ac.in/assets/uploads/files/b9bce-screenshot-11-.pdf</a> |
| Detection of genuine tripartite entanglement in quantum network scenario | Dr Biswajit Paul | Mathematics | Quantum Information Processing | 2020 | 1573-1332 | <a href="https://link.springer.com/journal/11128">https://link.springer.com/journal/11128</a> | <a href="https://link.springer.com/article/10.1007/s1128-020-02750-1">https://link.springer.com/article/10.1007/s1128-020-02750-1</a>               | Yes | <a href="https://bbkm.ac.in/assets/uploads/files/a2aa2-screenshot-12-.pdf">https://bbkm.ac.in/assets/uploads/files/a2aa2-screenshot-12-.pdf</a> |
| Characterizing quantum correlations in a fixed-input n-local network     | Dr Biswajit Paul | Mathematics | Physical Review A              | 2020 | 2469-9926 | <a href="https://journals.aps.org/prab/out">https://journals.aps.org/prab/out</a>             | <a href="https://journals.aps.org/prab/abstract/10.1103/PhysRevA.101.032328">https://journals.aps.org/prab/abstract/10.1103/PhysRevA.101.032328</a> | Yes | <a href="https://bbkm.ac.in/assets/uploads/files/af11f-screenshot-13-.pdf">https://bbkm.ac.in/assets/uploads/files/af11f-screenshot-13-.pdf</a> |

  
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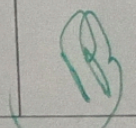
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|---|-----------------|-----------|-----------------------|------|-----------|---|---|-----|---|
| scenario  |                 |           |                       |      |           |   |   |     |   |
| Advanced catalytic performance of amorphous MoS <sub>2</sub> for degradation/reduction of organic pollutants in both individual and simultaneous fashion. | Dr Namrata Saha | Chemistry | ACS Appl. Nano Mater, | 2018 | 0147-6513 | <a href="https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety/about/insights">https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety/about/insights</a> | <a href="https://doi.org/10.1016/j.ecoenv.2018.05.023">https://doi.org/10.1016/j.ecoenv.2018.05.023</a>     | yes | <a href="https://bbkm.ac.in/assets/uploads/files/7d666-screenshot-4-.pdf">https://bbkm.ac.in/assets/uploads/files/7d666-screenshot-4-.pdf</a> |
| Newly Designed Amperometric Biosensor for Hydroge   | Dr Namrata Saha | Chemistry | ACS Appl. Nano Mater, | 2018 | 0147-6514 | <a href="http://www.acsanm.org">www.acsanm.org</a>  | <a href="https://doi.org/10.1016/j.ceramint.2022.07.106">https://doi.org/10.1016/j.ceramint.2022.07.106</a> | yes | <a href="https://bbkm.ac.in/assets/uploads/files/c41c7-screenshot-3-.pdf">https://bbkm.ac.in/assets/uploads/files/c41c7-screenshot-3-.pdf</a> |

  
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