

## RIE BHOPAL, Faculty Profile (Dr Ramesh Sethy)

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| <b>Full Name:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Dr Ramesh Sethy                                                                                                                                                                                                                                               |                             |           |  |
| <b>Designation:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Assistant Professor of Zoology                                                                                                                                                                                                                                |                             |           |                                                                                     |
| <b>Department:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Department of Education in Science and Mathematics                                                                                                                                                                                                            |                             |           |                                                                                     |
| <b>Official Address:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Room No 133, Biology Section, RIE Bhopal                                                                                                                                                                                                                      |                             |           |                                                                                     |
| <b>Telephone:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                               | <b>Fax:</b>                 | ---       |                                                                                     |
| <b>Mobile:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8826929344                                                                                                                                                                                                                                                    |                             |           |                                                                                     |
| <b>Email:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | rsethy2206@gmail.com                                                                                                                                                                                                                                          |                             |           |                                                                                     |
| <b>Education Qualification:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PhD (Life Sciences) Jawaharlal Nehru University (JNU) New Delhi.<br>M.Phil. Zoology (2012-13) Ravenshaw University, Cuttack, Odisha<br>M.Sc. Zoology (2020-12) Utkal University, Bhubaneswar, Odisha<br>B.Sc. Zoology (2007-10) Ravenshaw University, Cuttack |                             |           |                                                                                     |
| <b>Teaching Experience:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 05+ Years                                                                                                                                                                                                                                                     | <b>Research Experience:</b> | 12+ Years |                                                                                     |
| <b>Academic Identity:</b><br>(i) ORCID Id with web link: <b>ID:0009-0007-3365-4747</b> ( <a href="https://orcid.org/0009-0007-3365-4747">https://orcid.org/0009-0007-3365-4747</a> )<br>(ii) Scopus Author Id with web link: <a href="https://www.scopus.com/authid/detail.uri?authorId=57195237083">ID: 57195237083</a><br><a href="https://www.scopus.com/authid/detail.uri?authorId=57195237083">https://www.scopus.com/authid/detail.uri?authorId=57195237083</a><br>(iii) Researcher Institutional ID with web link<br>(iv) Google Scholar Id with web link:<br><a href="https://scholar.google.com/citations?user=pYkpBDIAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=pYkpBDIAAAAJ&amp;hl=en</a><br>(v) Vidwan Id: with web link: ID: 620332 <a href="https://vidwan.inflibnet.ac.in/profile/620332">https://vidwan.inflibnet.ac.in/profile/620332</a><br>(vi) Research gate Id with web link: <a href="https://www.researchgate.net/profile/Ramesh-Sethy">https://www.researchgate.net/profile/Ramesh-Sethy</a> |                                                                                                                                                                                                                                                               |                             |           |                                                                                     |
| <b>Research Interest and Fields of Specialization</b> <ul style="list-style-type: none"> <li>Cancer Therapeutics</li> <li>Ethnomedicine</li> <li>Environmental Pollution and Human health risk assessment</li> <li>Bacteriology</li> <li>Biology Education</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                               |                             |           |                                                                                     |
| <b>Member of Academic Institutions (Board of Studies / Research Degree Committee/School Board)</b><br><b>Present/ Past</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                               |                             |           |                                                                                     |

**1. Membership of different Organizations**

**2. Research Supervision**

(No. of Ph.D. Degree Awarded \_\_\_\_\_ and Registered \_\_\_\_\_)

(Number of M.Phil awarded in \_\_\_\_\_)

**3. Research Projects (Completed and ongoing with title, type, fund allocated, duration and name of the funding agency)**

**4. Administrative Experience:** Heading the Zoology section of DESM as Section-in-charge since February 2024.

**5. Scientific Visits Abroad/ International Collaboration**

**6. Conference/Symposium/Workshop Attended during (2019-2025)**

1. 40<sup>th</sup> Annual Conference of Indian Association for Cancer Research” organized by Institute of Life Sciences, Bhubaneswar in the Year 2021.
2. International symposium on “Tumor microenvironment and cancer prevention and therapeutics” organized by cancer research and care academy (CRCA) held at Jawaharlal Nehru University, New Delhi in the Year 2019.
3. Attended Capacity building workshop on “Learning Teaching Materials” organized by NCERT Bhopal from 23-25<sup>th</sup> July 2024.

**7. A) Research Papers Published in Journals last six years (2019-2025)  
(Include H-Index, i10 Index and total No of Citation as Per Scopus/Google Scholar):**

1. **Authors Name:** Ramesh Sethy<sup>1</sup>, Radhakrishnan Rakesh<sup>1</sup>, Ketki Patne<sup>1</sup>, Vijendra Arya<sup>1</sup>, Tapan Sharma<sup>1</sup>, Dominic Thangminlen Haokip<sup>1</sup>, Reshma Kumari<sup>1</sup>, Rohini Muthuswami

**Title of the paper:** Regulation of ATM and ATR by SMARCA1 and BRG1. (First Author)

- a. **Name of Journal:** "Biochimica et Biophysica Acta - Gene Regulatory Mechanisms" (Elsevier) Journal impact factor: 5.01 ISSN: 18749399
- b. **Year of Publication:** 2018; Volume: 1861; Issue No: 2018; Page No: 1076-1092 doi: [10.1016/j.bbagg.2018.10.004](https://doi.org/10.1016/j.bbagg.2018.10.004).
- c. **Country of Publication:** Netherlands
- d. **Indexed, in:** Scopus & Web of Science
- e. **No of Citation as per Scopus:** 18

2. **Authors Name:** Ritu Bansal<sup>1</sup>, Vijendra Arya<sup>1</sup>, Ramesh Sethy<sup>1</sup>, Radhakrishnan Rakesh<sup>1</sup>, Rohini Muthuswami<sup>2</sup>

**Title of the paper:** Rec A-like domain 2 of Active DNA-dependent ATPase Domain, aSWI2/SNF2 protein, mediates conformational integrity and ATP hydrolysis.

- a. **Name of Journal:** Bioscience Reports Journal impact factor: 3.5 ISSN: 18749399 doi: [10.1042/BSR20180568](https://doi.org/10.1042/BSR20180568)
- b. **Year of Publication:** 2018; Volume: 38; Issue No: 3; Page No: 1-19
- c. **Country of Publication:** United Kingdom (UK)
- d. **Indexed, in:** Scopus & Web of Science
- e. **No of Citation as per Scopus:** 11

**3. Authors Name:** Ketki Patne<sup>1</sup>, Radhakrishnan Rakesh<sup>1</sup>, Vijendra Arya<sup>1</sup>, Upasana Bedi Chanana<sup>1</sup>, Ramesh Sethy<sup>1</sup>, Pynskhem Bok Swer<sup>1</sup>, Rohini Muthuswami<sup>2</sup>

**Title of the paper:** BRG1 and SMARCA1 transcriptionally co-regulate DROSHA, DGCR8 and DICER in response to doxorubicin-induced DNA damage.

- a. **Name of Journal:** BBA Gene Regulatory Mechanisms; Journal impact factor: 5.01 ISSN: 18749399 doi: [10.1016/j.bbagr.2017.07.003](https://doi.org/10.1016/j.bbagr.2017.07.003)
- b. **Year of Publication:** 2018; Volume: 1860; Issue No: 2017; Page No: 931-951
- c. **Country of Publication:** Netherlands
- d. **Indexed, in:** Scopus & Web of Science
- e. **No of Citation as per Scopus:** 33

**4. Title of the Paper:** Clinical Utility of ANA and ENA for diagnosis of Connective Tissue Disorders (Manuscript Under Submission in “**American Journal of Clinical & Experimental Medicine**” Journal).

## **B) ARTICLES PUBLISHED IN THE EDITED BOOK**

## **C) PAPER PUBLISHED (IN CONFERENCE PROCEEDING with ISSN Number)**

## **D) PUBLICATION OF BOOKS (Both as Authored and Edited)**

## **E) PREPARATION OF STUDY MATERIAL**

- Development of Module on Virtual Lab of Secondary Stage of Madhya Pradesh (MP) in the Year 2024.
- Development of study materials on use of Biology Kit for KRPs of Western Region in the year 2024.

## **F) EDITORSHIP OF RESEARCH JOURNAL**

## **G) MOOCs**

**8) ORGANIZATION of SEMINAR/WORKSHOP/FDP/TRAINING PROGRAM**

**9) Other Information if any**