

**: FACULTY DETAILED RESEARCH DATA:**

**Name of the Faculty: Dr. Samudra Pal**

**Designation: Assistant Professor**

**Department: Biotechnology**

**School: School of Life Sciences**

**Research Area: Human Genetics, Microbial Genetics, Bioinformatics**

**Details of research portfolio of faculty:**

**A. Researcher's ID details:**

Google Scholar ID:

<https://scholar.google.com/citations?user=MyGvdV4AAAAJ&hl=en>

Orchid ID:

**0000-0003-0069-7170**

Scopus ID

**57236554400**

Vidwan ID

**594420**

**B. Publication details:**

**1. Conference proceedings/ Conference paper:**

| Sl. No.  | Name of the Conference | Title of the paper | Month & Year of Publication | Author(s) Name | National/ International | doi number (if any) | ISSN/ISBN no. |
|--|------------------------|--------------------|-----------------------------|----------------|-------------------------|---------------------|---------------|
|  |                        |                    |                             |                |                         |                     |               |
| <b>2. Publications in SCI/Scopus indexed Journals:</b> |                        |                    |                             |                |                         |                     |               |

| S l. No | Name of the Journal (mention SCI/scopus) | Title of the paper | Month & Year of Publication | Author(s) Name (Highlight the corresponding and 1 <sup>st</sup> author in every article) | doi number | Issue No. & Volume No. | Page no. | ISSN of the journal |
|---------|--|--------------------|-----------------------------|--|------------|------------------------|----------|---------------------|
|         |  |                    |                             |  |            |                        |          |                     |

| Sl. No | Name of the Journal (mention SCI/Scopus)                   | Title of the paper  | Month & Year of Publication | Author(s) Name (Highlight the corresponding and 1st author in every article)                | DOI number                 | Issue No. & Volume No. | Page no.  | ISSN of the journal |
|--------|--|---|-----------------------------|---|----------------------------|------------------------|-----------|---------------------|
| 1      | <i>Reproductive Sciences</i> (SCI)                         | Novel Mutations Reduce Expression of Meiotic Regulators SYCE1 and BOLL in Testis of Azoospermic Men from West Bengal, India | April 2024                  | Pal S, Paladhi P, Dutta S, Mullick RB, Bose G, Ghosh P, Chattopadhyay R, Ghosh S            | 10.1007/s43032-023-01393-8 | Vol 31, Issue 4        | 1069–1088 | 1933-7191           |
| 2      | <i>Journal of Assisted Reproduction and Genetics</i> (SCI) | Novel variations in spermatogenic transcription regulators RFX2 and TAF7 increase risk of azoospermia                       | December 2021               | Pal S, Paladhi P, Dutta S, Bose G, Ghosh P, Chattopadhyay R, Chakravarty B, Saha I, Ghosh S | 10.1007/s10815-021-02352-5 | Vol 38, Issue 12       | 3195–3212 | 1058-0468           |
| 3      | <i>Molecular Genetics &amp; Genomic Medicine</i> (SCI)     | Prevalence of Y chromosome microdeletion in azoospermia factor subregions among infertile men from West Bengal, India       | October 2021                | Dutta S, Paladhi P, Pal S, Bose G, Ghosh P, Chattopadhyay R, Chakravarty B, Ghosh S         | 10.1002/mgg3.1769          | Vol 9, Issue 10        | e1769     | 2324-9269           |
| 4      | <i>Reproductive Sciences</i> (SCI)                         | Novel Mutations of TSPY1 Gene Associate Spermatogenic Failure Among   | April 2022                  | Paladhi P, Dutta S, Pal S, Bose G, Ghosh P, Chattopadhyay R,                                | 10.1007/s43032-021-00839-1 | Vol 29, Issue 4        | 1241–1261 | 1933-7191           |

| Sl. No | Name of the Journal (mention SCI/Scopus)                     | Title of the paper  | Month & Year of Publication | Author(s) Name (Highlight the corresponding and 1st author in every article)  | DOI number                 | Issue No. & Volume No. | Page no. | ISSN of the journal |
|--------|--|---|-----------------------------|---|----------------------------|------------------------|----------|---------------------|
| 5      | <i>Journal of Ayurveda and Integrative Medicine</i> (Scopus) | Men<br><br>Evaluation of potency of the selected bioactive molecules from Indian medicinal plants with MPro of SARS-CoV-2 through in silico analysis                              | Apr–Jun 2022                | Chakravarty B, Saha I, Ghosh S<br><br>Halder P, Pal U, Paladhi P, Dutta S, Paul P, Pal S, Das D, Ganguly A, Dutta I, Mandal S, Ray A, Ghosh S | 10.1016/j.jaim.2021.05.003 | Vol 13, Issue 2        | 10044 9  | 0975-9476           |
| 6      | <i>American Journal of Men's Health</i> (SSCI)               | Screening of the Combined Risk of Genetics and Epidemiology on Infertility Among Indian Men: Synergistic Effect of AZFc Partial Deletions and Habits of Smokeless Chewing Tobacco | May 2024                    | Dutta S, Paladhi P, Pal S, Srimani S, Bose G, Ghosh P, Chattopadhyay R, Ghosh S   | 10.1177/15579883241279195  | Vol 8, Issue 5         | —        | 1557-9883           |
| 7      | <i>Journal of Human Reproductive Sciences</i> (Scopus)       | Novel Genetic Variants of CDC25A Significantly Increase Risk of Spermatogenesis   | Jan–Mar 2025                | Pal S, Paladhi P, Dutta S, Chattopadhyay R, Ghosh S   | 10.4103/jhrs.jhrs_26_25    | Vol 18, Issue 1        | 32–37    | 0974-1208           |

| Sl. No. | Name of the Journal (mention SCI/Scopus) | Title of the paper   | Month & Year of Publication | Author(s) Name (Highlight the corresponding and 1st author in every article) | DOI number | Issue No. & Volume No. | Page no. | ISSN of the journal |
|---------|--|--|-----------------------------|--|------------|------------------------|----------|---------------------|
|         |  | is Arrest in Men from Bengali Population, India: A Cross-Sectional Study |                             |  |            |                        |          |                     |

### 3. Book chapter:

| Sl. No. | Title of the book | Publishers | Author(s) Name (Highlight the corresponding and 1 <sup>st</sup> author in every article) | Year | ISBN No. | doi no. (if applicable) |
|---------|-------------------|------------|--|------|----------|-------------------------|
|         |                   |            |  |      |          |                         |

### 4. Text/Reference book published from reputed national/international publishers:

| Sl. No. | Title of the Text/Reference book                | Publishers          | Author(s) Name (Highlight the corresponding and 1 <sup>st</sup> author in every article) | Year | ISBN No.  | doi no. (if applicable)   |
|---------|---|---------------------|--|------|---|---|
|         | The Living World: Fundamentals of Life Sciences | Akinik Publications | Samudra Pal  | 2025 | paperback: 978-93-6135-58; ebook: 978-93-6135-276-8 | <a href="https://doi.org/10.221/ed.book.3190">https://doi.org/10.221/ed.book.3190</a> |

### 5. Project granted:

| Sl. No | Sponsoring Agency | Name of the project | Duration              |                     | Amount in Lakhs | PI/ CO-PI |
|--------|-------------------|---------------------|-----------------------|---------------------|-----------------|-----------|
|        |                   |                     | Starting Month & Year | Ending month & Year |                 |           |
|        |                   |                     |                       |                     |                 |           |

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**6. Consultancy Project Grant:**

| Sl No. | Project title | Funding Agency | Duration | Completed (yes/no) | Sanctioned amount (in Rs.) | PI and CO-PI (if any) |
|--------|---------------|----------------|----------|--------------------|----------------------------|-----------------------|
|        |               |                |          |                    |                            |                       |

### 7. Patent/IPR granted:

| Sl. No. | Name of the patent                            | Name of the applicant | Name of the inventor | Date of File | Date of Publication | Whether Granted (yes/no); If yes, Date of Grant | Application No. |
|---------|---|-----------------------|----------------------|--------------|---------------------|---|-----------------|
| 1.      | A biodegradable wipe material for tan removal | Dr. Samudra Pal       | Dr. Samudra Pal      |              | 02/05/2025          | NO  | 202531040468    |

Sudipta Das  
Anshu Kumari Jha  
Swittee Mondal  
Saleya Khatun  
Afifaha Sultana  
Mr. Saurabh Adhikary

### 8.