

# PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)

## 3.2.2 Teachers having research projects during the last five years

| Sr.No | Faculty Member                                   | No. of projects |           |          |          |          | Department       |
|-------|--|-----------------|-----------|----------|----------|----------|------------------|
|       |  | 2020-21         | 2019-20   | 2018-19  | 2017-18  | 2016-17  |                  |
| 1     | Dr. Nandkumar N.Sawant                           | 6               | 4         | 2        | 2        | 0        | Geography        |
| 2     | Dr. Nandini Vaz Fernandes                        | 5               | 5         | 3        | 2        | 1        | Zoology          |
| 3     | Dr.Kanchana R                                    | 1               | 1         | 1        | 0        | 0        | Biotechnology    |
| 4     | Dr. Shaila Ghanti                                | 0               | 0         | 1        | 0        | 0        | Computer Science |
| 5     | Ms. Amish Pednekar                               | 1               | 2         | 0        | 0        | 0        | Botany           |
| 6     | Dr. Sameena Falleiro                             | 1               | 1         | 1        | 0        | 0        | Computer Science |
| 7     | Dr. Sanjay S Gaikwad                             | 0               | 0         | 0        | 1        | 1        | Geography        |
| 8     | Dr. Sandesh Bugde                                | 0               | 0         | 0        | 1        | 0        | Chemistry        |
| 9     | Dr. Lactina Regina Gonsalves                     | 1               | 1         | 1        | 1        | 0        | Chemistry        |
| 10    | Dr. Rohan K. Kunkalekar                          | 0               | 0         | 0        | 1        | 0        | Chemistry        |
| 11    | Dr. Uma Masur                                    | 1               | 1         | 1        | 1        | 0        | Botany           |
| 12    | Dr. Sachin Moraes                                | 0               | 1         | 1        | 1        | 0        | Sociology        |
| 13    | Dr. Purnima Singh                                | 0               | 1         | 1        | 1        | 0        | Biotechnology    |
| 14    | Dr. Ananya Das                                   | 1               | 1         | 0        | 0        | 0        | Physics          |
| 15    | Mr. Yatin Desai                                  | 1               | 1         | 0        | 0        | 0        | Physics          |
| 16    | Dr. G K Naik                                     | 1               | 0         | 0        | 0        | 0        | Chemistry        |
| 17    | Ms. Magnolia Miranda                             | 1               | 0         | 0        | 0        | 0        | Geology          |
| 18    | Mr. Castor Godinho                               | 1               | 0         | 0        | 0        | 0        | Computer Science |
| 19    | Mr. Wendam Gray                                  | 1               | 0         | 0        | 0        | 0        | Computer Science |
| 20    | Ms. Madhu Balekai,                               | 0               | 1         | 0        | 0        | 0        | Zoology          |
| 21    | Ms. Divyarani Revankar                           | 0               | 1         | 0        | 0        | 0        | Botany           |
| 22    | Ms. Madhavi Motankar                             | 0               | 1         | 0        | 0        | 0        | Biotechnology    |
| 23    | Dr. Aduja Naik                                   | 1               | 1         | 0        | 0        | 0        | Biochemistry     |
| 24    | Mr. Stephen Dias                                 | 0               | 1         | 0        | 0        | 0        | Zoology          |
|       | <b>No. of Teachers receiving grants per year</b> | <b>12</b>       | <b>11</b> | <b>9</b> | <b>9</b> | <b>2</b> |                  |





**PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)**

**CRITERION III- RESEARCH, CONSULTANCY AND EXTENSION ACTIVITIES**

**3.2.1 List of Teachers receiving projects / research grants**

| Sl.no. | Name of the Principal Investigator/ Co Investigator (if applicable) | Name of the Funding agency           | Type (Government /Non-Government) | Department of Principal Investigator/ Co Investigator | Year of Award | Funds provided (INR in lakhs) | Duration of the project (in days) | Title of The Project  |
|--------|---|--------------------------------------|-----------------------------------|---|---------------|-------------------------------|-----------------------------------|---|
| 1      | Dr. Nandini Vaz Fernandes   | DST-SERB                             | Government                        | Zoology   | 2014-17       | 13,10,000.00                  | 1095                              | "Heavy metal bioaccumulation and genotoxicity studies of fishes exposed to mining effluents in Goa"                         |
| 2      | Dr. Sanjay S Gaikwad  | UGC                                  | Government                        | Geography   | 2015-16       | 9,10,000.00                   | 1095                              | "Assessment of Carbon Stock and Carbon Sequestration Scenario through Land Use Change in the State of Goa"                  |
| 3      | Dr. Sandesh Bugde   | Directorate of Higher Education, Goa | Government                        | Chemistry   | 2017-18       | 3,20,000.00                   | 1095                              | Synthesis of Naturally Occurring Cyclobutanes Through [2+2] Cycloaddition Reaction.   |
| 4      | Dr. Lactina Regina Gonsalves  | Directorate of Higher Education, Goa | Government                        | Chemistry   | 2017-20       | 3,10,000.00                   | 1095                              | "Development of Functionalised Nanoparticle oxides for Gas Sensing and other Potential Applications."                       |
| 5      | Dr. Rohan K. Kunkalekar   | Directorate of Higher Education, Goa | Government                        | Chemistry   | 2017-18       | 3,60,000.00                   | 1095                              | "Synthesis of ZnO nanomaterials and its catalytic and antibacterial applications"   |
| 6      | Dr. Uma Masur   | Directorate of Higher Education, Goa | Government                        | Botany  | 2017-18       | 3,50,000.00                   | 1095                              | "Molecular characterization of Dysoxylum binectariferum Hook.f. regenerated plants in vitro by RAPD, SSR and ISSR methods". |





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|----|--|---|------------|------------------------------------|-----------|----------------|------|---|
| 7  | Dr. Sachin Moraes                                  | ICSSR   | Government | Sociology                          | 2017-18   | 2,50,000.00    | 1095 | Male International migration and the experience in rural Goa.   |
| 8  | Prof. Nandkumar N. Sawant                          | ICSSR+ National Research Council of Thailand          | Government | Geography                          | 2017-19   | 3,50,000.00    | 730  | "Effect of International Tourism Related Activities on the Socio-economic Life of the Adjoining Rural Hinterland: A Comparative Study of Goa (India) and Chonburi (Thailand) in the Globalised Era" |
| 9  | Dr. Purnima Singh                                  | SERB  | Government |                                    | 2017-20   | 1,92,000.00    | 1095 | Studies on characterization of most promising substance of biotechnological interest from selected bacterial strains of Cryoconites & Permafrost.   |
| 10 | Prof. Nandkumar Sawant & Dr. Nandini Vaz Fernandes | DBT, Ministry of Science & technology, Govt. of India | Government | Geography and Zoology              | 2017-20   | 1,23,00,000.00 | 1095 | DBT Star College Scheme (06 depts)  |
| 11 | Dr. Nandini Vaz Fernandes                          | Directorate of Higher Education, Goa                  | Government | Zoology                            | 2018-20   | 2,00,000.00    | 730  | Evaluation of effectiveness of methodologies used in conducting practicals of Biological sciences   |
| 12 | Dr. Sameena Falleiro                               | Directorate of Higher Education, Goa                  | Government | Computer Science                   | 2018-20   | 2,00,000.00    | 730  | Teaching and Learning with ICT: Current status and future Directives with Reference to UG education in Goa  |
| 13 | Dr. Nandini Vaz Fernandes                          | MSI & GSWA, Govt. of Goa                              | Government | Zoology                            | 2018-19   | 40,000.00      | 365  | Wetland Conservation: Approaches and Threats  |
| 14 | Dr. Kanchana and Dr. Shaila                        | Goa DST   | Government | Biotechnology and Computer Science | 2018-19   | 65,000.00      | 365  | Science Promotion Scheme-Science Day  |
| 15 | Mr. Yatin Desai                                    | Directorate of Higher Education,                      | Government | Physics                            | 2019-2020 | 3,20,000.00    | 365  | Study of Zinc Oxide Composite Doped with Transition   |





|    |  | Goa  |            |                                      |           |             |      | Metal Ions (Mn, Ni, Co, Fe)   |
|----|--|--|------------|--------------------------------------|-----------|-------------|------|---|
| 16 | Ms. Amish Pednekar   | Directorate of Higher Education, Goa           | Government | Botany                               | 2019-2020 | 3,00,000.00 | 365  | Understanding Cellulolytic Activity of Fungi isolated from litter of Coconut trees                                  |
| 17 | Dr. Nandini Vaz Fernandes & Prof. Nandkumar Sawant   | DST-MHRD-COESME                                | Government | Geography and Zoology                | 2019-2020 | 1,94,200.00 | 730  | Training workshop, on Research Based Pedagogical Tools (RBPTs) for Undergraduate Science Teachers                   |
| 18 | Dr. Ananya Das   | Directorate of Higher Education, Goa           | Government | Physics                              | 2019-2020 | 4,30,000.00 | 730  | Study of Bose-Hubbard model using Real Space Renormalization Group method.  |
| 19 | Prof. Nandkumar Sawant   | ICSSR-INSPIRE                                  | Government | Geography                            | 2019-2020 | 8,00,000.00 | 1095 | Revealing the (In)visible cultural landscape and Heritage : Amalgamation of Goa's Urban Transformation and Identity |
| 20 | Dr. G K Naik   | Directorate of Higher Education, Goa           | Government | Chemistry                            | 2019-2020 | 2,83,000.00 | 730  | Low Temperature Synthesis & Characterization of Nanosize Metal Chromites: An Industrial Catalyst"                   |
| 21 | Ms. Magnolia Miranda   | Directorate of Higher Education, Goa           | Government | Geology                              | 2019-2020 | 2,50,000.00 | 1095 | Study of Microstructures of the Canacona Granite  |
| 22 | Dr. Nandini Vaz Fernandes and Prof. Nandkumar Sawant                                       | Goa Forest Department, Govt. of Goa            | Government | Geography and Zoology                | 2019-2020 | 291500.00   | 730  | Development of wildlife management plan for Bondla wildlife sanctuary   |
| 23 | Dr. Nandini Vaz Fernandes, Prof. Nandkumar Sawant, Mr. Castor Godinho and Mr. Wendam Gray. | Goa Forest Department, Govt. of Goa            | Government | Zoology, Geography, computer science | 2019-2020 | 100100.00   | 730  | Project on 'Wildlife Activity Management' APP development.  |
| 24 | Dr. Nandini Vaz Fernandes & Stephen Dias   | Directorate of Higher Education, Govt. of Goa. | Government | Zoology                              | 2019-2020 | 45000.00    | 365  | Science Promotion Scheme-'Wildlife Monitoring Technique'  |





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|----|---|--|---------------------|--------------------------------|-----------|--|------|---|
| 25 | Amisha Shirodkar Pednekar, Dr, Nandini Vaz Fernandes, Madhu Balekai, Divyarani Revankar | National Green Corps                     | Government          | Zoology and Botany             | 2019-2020 | 5000.00                                      | 365  | For organizing green initiatives on the campus and community for the academic year 2019-2020. |
| 26 | Kanchana R and Madhavi Motankar,  | Department of Science and Technology Goa | Government          | Biotechnology                  | 2019-2020 | 100000.00                                    | 365  | 'National Workshop on Scientoonics' on the theme of 'Clean India'                             |
| 27 | Dr. Aduja Naik  | Directorate of Higher Education, Goa     | Government          | Biochemistry                   | 2019-2020 | 75000.00                                     | 365  | Science Promotion Scheme- 'Entrepreneurial Opportunities in Fermentation Food Technology'     |
| 28 | Prof. Nandkumar Sawant  | INTERREG V of European Commission        | European Commission | Geography                      | 2020-2021 | Reimbursement by EC as per the planned works | 1095 | International Research partner of INTERREG (PaTRIM-OI Research Program)                       |
| 29 | Dr. Kanchana and Dr. Aduja Naik   | Directorate of Higher Education, Goa     | Government          | Biotechnology and Biochemistry | 2020-2021 | 75000.00                                     | 365  | Science Promotion Scheme- 'Entrepreneurial Opportunities in Fermentation Food Technology'     |