



### Dr. Nandkumar Sawant promoted as Professor of Geography

“It is matter of pride and honour for the Department of Geography of the College that our senior most faculty Dr. Nandkumar Sawant was promoted to the post of Professor in Geography. He was placed in this position from 2009 and therefore he is the first professor in the fraternity of the geography in the State of Goa .

Dr. Nandkumar. Sawant joined the department in 1991 and after completion his doctorate degree from Pune University in 2002, he was designated as Reader in Geography, later redesignated as Associate Professor under sixth pay commission in 2006 and subsequently based on the research Publication and performance in the interview , he was designated as Professor.

Dr. Sawant has an illustrious career in academics and research. Presently he has almost 60 research papers published, completed five research project, and presently two ongoing projects . Under his supervision , one student has been awarded doctorate degree and three are in progress.



Dr. Nandkumar N. Sawant

### Faculty: Publication, Innovation, Awards and Ongoing Project.

#### A. Paper Publication

Ferro A. & Sawant N. N. (2020): Urban Growth: Issues and Challenges in Margao Town of Goa: Peoples Perspective, Juni Khyat , 10(6), 107-116 (UGC Care Group I Listed Journal), ISSN: 2278-4632.

#### B. Innovation and Awards

A Certificate of Appreciation including Cash Prize of Rs. 15000/- was awarded to the team consisting of Dr. Nandkumar Sawant, Mr. Deepak Kumbhar, Mr. Venkatesh Prabhugaonkar and Mr. Castor Godinho for their Sustainable Solution on ‘GIS based approach - Essential Services Supply during Disaster’ presented under Challenge 4 : Simple, Smart and Superior Disaster Management System for the State at the ‘Parivartan Karo Na’ - a contest -cum-internship initiated by Growth and Development Platform (GDP) Foundation Goa, in June 2020.

#### C. Ongoing Project

Every State needs to have a Forest management Plan. .The State of Goa is in the process of making management plan for each of the sanctuaries Dr.Nandini Vaz Fernandes, Dean of Life Sciences and Dr.Nandkumar Sawant, Professor and Head , department of Geography have received a project grant of Rs.2,91,500/- towards Development of Wildlife Management Plan for Bondla Wildlife Sanctuary funded by Goa Forest Development Corporation Limited, Goa.

**Congratulations to both the faculty.**

### Faculty Participation in Webinars and Workshops

#### Mr. A. Ashish

- National Level Webinar on ‘Research Methods’ organized by IQAC, Govindram Seksaria Science College, Belgavi on 7<sup>th</sup> June 2020Mr.
- ‘Intellectual Property Rights’, organized by IPR Cell of St. Xavier’s College, Mapusa- Goa, supported by Goa State Council for Science and Technology - Government of Goa on 22<sup>nd</sup> June 2020.
- ‘How to Write a Great Research Paper, and get it accepted by a Good Journal’ organized by the Directorate of Higher Education, Goa in collaboration with Elsevier on 3rd June 2020.
- ‘Effective Online Teaching Learning Evaluation’ organized by Centre For Teaching Learning, Parvatibai Chowgule College (Autonomous), Margao, Goa, powered by IQAC, held on 23rd and 24th June, 2020.
- ‘Geography in Covid and Post-Covid India’, organized by St. Xavier’s College, Ranchi, Jharkhand on 3<sup>rd</sup> July 2020.
- ‘Population and Health in the Present Context’ organized by Parvatibai Chowgule College (Autonomous), Margao, Goa in collaboration with Sophia Girl’s College (Autonomous), Ajmer, Rajasthan on 11<sup>th</sup> July 2020, on occasion of World Population Day.
- ‘Open Broadcaster Software (OBS)’ organized by the Directorate of Higher Education (DHE), Government of Goa on 2<sup>nd</sup> & 3<sup>rd</sup> July 2020.

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### Global Climate Change and Cities

Presently the world calls for two global concerns :Covid 19 and climate change , both need solutions to make the world safe. During the Pandemic situation, In the month of April-May 2020, at the North Pole vortex, Largest-ever Ozone Hole was identified that remained open for nearly a month and finally closed and subsequently , An increasingly warm climate has ensued in the gradual crumbling of 113 square km sheet of ice from the Arctic’s largest remaining ice shelf .Such evidence are indicative that climate change needs adaptation and resilience by the citizens of the world at various levels .

Cities are a key contributor to climate change, as urban activities are major sources of greenhouse gas emissions. Presently, More than 54 per cent of the world’s population live in cities and by 2050 it is expected to reach 70 percent .This population will put tremendous pressure on resources as cities consume 80 per cent of energy and produce 75 per cent of the emissions . Therefore, a resilient city is one that assesses, plans and acts to prepare for and respond to hazards – - natural and human-made, sudden and slow-onset, expected and unexpected. This would result in sea level rise, heat islands, extremity of climate etc.

Presently ,21 cities of 33 mega cities of the world are located in coastal areas and more than 100 million people live in less than 1 meter above mean sea level. Therefore, Sea level rise will affect inversely on these cities. Study by Federal Emergency Management Agency, Current and projected future flood risks for New York City assuming 2.5 foot sea level rise by 2050. All Mega cities are experiencing, micro climate change. They are the heat islands experiencing heat domes where there is significant variation in temperatures from the CBD ( city core ) to the periphery ( rural ) . The temperature varies from 3-7 degrees between core to periphery. This is due to anthropogenic activities.

Further , as per the WWF report, 11 key Asian cities most likely to be affected by climate change, namely Dhaka (Bangladesh), Jakarta (Indonesia), Manila (Philippines), Kolkata (India), Phnom Penh (Cambodia), Ho Chi Minh city (Vietnam), Shanghai (China), Bangkok (Thailand), Hong Kong (China), Kuala Lumpur (Malaysia), and Singapore. The most vulnerable city is Kolkata. The overall vulnerability score of 7/10. Being situated on the banks of the Hooghly River, and within the Ganges delta, Kolkata is vulnerable because it is only meters above current sea levels. As it expanded, it reclaimed significant amounts of surrounding wetland.

So , cities across the world are finding solutions by constructing dykes, better drainage system, green energy initiatives, roof top gardening, waste management and awareness programmes for the citizens . For example, sponge city programme was initiated in the city of Wuhan , China where 60 per cent of the storm water would be managed to combat disaster and also make city more livable .

Indian cities, especially the big metros are at high risk and there is to calling to all stake holders to find solutions for the urban management and reduction of risk .

### Yellowstone National Park, Wyoming, United States

Formed by volcanoes, sustained by the earth’s molten rock layers and teeming with flowers, fauna and vistas galore, Yellowstone is one of America’s best-loved national parks.

Yellowstone and its surroundings are the result of age-old volcanic activity. Some 55 million years ago, during the Tertiary period, molten magma formed the Abroska and Washburn mountain ranges.

Approximately 52 million years later, a volcanic blast created the Yellowstone Caldera - a collapsed volcanic crater 28 by 47 miles in size. Ultimately, glaciers moved through the area, shaping the region into its current landscape. This volcanic activity has marked Yellowstone with an exceptional number of geothermal features. More than 10,000 geysers dot its lands in addition to hot springs, fumaroles (steam vents), mud pots and carbonate-depositing travertine terraces.

Source: <https://www.travelchannel.com/interests/national-parks/articles/yellowstone-national-park-wyoming>



Image Source: <https://travel.home.sndimg.com/content/dam/images/travel/fullset/2015/01/08/ET/10-wonders-west-yellowstone-national-park.jpg.ngvcom.616.462.suffix/1491581132559.jpeg>

### Yellowstone National Park

#### Notable Quotes on Geography

‘Geography is important, because it opens our eyes; a landscape is no longer a static feature, but a complex battleground of physical and human interactions. Local is no longer local, but a collision point for the interaction of many ‘locals’ drawn from a global stage. With technology increasingly drawing the world closer together, it is important that the role of Geography in helping the public in understanding this complex and unpredictable world is championed!

- Tony Cassidy



**Newly joined faculty**

**Ms. Jyoti Hosamani** had completed M.A. in Geography from Parvatibai Chowgule college. She is NET qualified in year 2019. She has also completed Off campus short-term course in Remote Sensing, GIS and GPS from ISRO.



**Mr. Sachin Gaonkar** had completed his M.A in Geography from Govt. College Khandola, Goa. He is SET qualified. He also won 1st place in Essay competition organised by P.S Ramani Medical Foundation and Institute Menezes Braganza Panaji.



**Faculty Development Programmes**

**Dr. Anagha Bicholcar** completed Two Weeks Faculty Development Programme on 'Managing Online Classes and Co-Creating MOOCs:2.0' from May 18 - June 03, 2020 organized by Ramanujan College, University of Delhi.

**Mr. A. Ashish** completed Seven Days Faculty Development Programme on 'Institutional Benchmarking of Best Practices' hosted by Shree Mallikarjun and Shri. Chetan Manju Desai College, Canacona in association with 10 premier institutes of India from 8<sup>th</sup> – 14<sup>th</sup> June 2020.

**Placements**

The department runs a Postgraduate diploma in Geoinformatics and has a credential of 100% placement.

From the present batch, out of the 23 students already five students have been placed with Belissimo Ventures Private Limited.

We are also proud to announce that Mr. Sachin Patil, student of PGDGIS, has been working under Forest Department of Goa as GIS Analyst for the past one year. Many students have applied in various IT companies.

**GIS is the only technology that actually integrates many different subjects using geography at its common framework.**

*Jack Dangermond*

**Faculty Achievements**

**Month of June**

**Dr. Nandkumar Sawant** was designated as Professor by the Goa University & Directorate of Higher Education (DHE), Government of Goa on 24<sup>th</sup> June 2020.

**Prof. Nandkumar Sawant** was appointed as a Member of International Editorial Board (2020-2025) of the 'Konkan Geographer' – Journal of the Konkan Geographer's Association of India, Sindhudurg, Maharashtra.

**Dr. Sanjay Gaikwad** and **Mr. A. Ashish** conducted survey and prepared report for Raia Panchayat towards the fulfillment of a Joint Project of Directorate of Higher Education (DHE), Government of Goa and Goa Institute of Public Administration and Rural Development (GIPARD), Goa on 'Economic Revival Plan for the Local Bodies in the State of Goa', from 5<sup>th</sup> May to 19<sup>th</sup> June 2020.

**Mr. A. Ashish** successfully qualified in the Online Quiz on 'Goa-Jharkhand' organized under 'Ek Bharat Shreshtha Bharat' by CES College, Cuncolim, Goa on 13<sup>th</sup> June 2020.

**Month of July**

**Dr. Sanjay Gaikwad** and **Ms. Ashlesha Saxena** completed an online course on 'Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials' conducted by Indian Institute of Remote Sensing (IIRS), ISRO Dehradun, from 13<sup>th</sup> June to 1<sup>st</sup> July 2020.

**Mr. A. Ashish** qualified in the 'International E-Quiz' conducted by Mata Gujri College, Fatehgarh Sahib, Punjab on the occasion of World Population Day on 11<sup>th</sup> July 2020.

**Ms. Ashlesha Saxena** completed an online course in 'The Complete Digital Marketing' in June 2020 through Udemy.

**Month of August**

**Dr. Anagha Bicholcar** completed an online Training of Trainers (ToT) Programme conducted by National Institute of Rural Development and Panchayati Raj (NIRDPR), Hyderabad from 18<sup>th</sup> to 21<sup>st</sup> August 2020. After the successful completion of training, she is certified as a Master Trainer for 'Agents of Change and Sector Enablers' by NIRDPR.



**Faculty Invited as Resource Person**

**Dr. Nandkumar Sawant**

- 'Global Outlook of the College' at the National Level Faculty Development Programme on 'Institutional Bench Marking of Best Practises', organised by Shree Mallikarjun and Shri. Chetan Manju Desai College, Canacona, Goa in Collaboration with Parvatibai Chowgule College, Margao – Goa from 8<sup>th</sup> – 14<sup>th</sup> June, 2020.

- 'Rejuvenating the Coastal Landscape' at the International Webinar on 'Time for Nature, Post COVID-19 Challenges to Environmental Challenges', organized by CHEC – INDIA, Jaipur on 5<sup>th</sup> June, 2020

- 'Acclerating Education amongst rural students', at Webinar organized by Annasaheb Dange College of Engineering, Ashta ( Maharashtra).

- 'Academic Planning for Student Centric Learning', organized by IQAC, Guru Nanak College, Mumbai on 9<sup>th</sup> June, 2020.

- 'Perspectives of Sustainable Tourism', at the Webinar on 'Redefining our Common Future: Safe and Secure Environment for All', organized by Shristi Club, PES College, Farmagudi on 9<sup>th</sup> June 2020

- 'ICT Tools for Effective Teaching – Learning & Administration', Key note speaker for the National Level Faculty Development Workshop, organized by Yashavantrao Chavan Institute of Science, Satara ( Autonomous ) Satara , funded by RUSA.

- 'Challenges and Perspectives of Tourism in South Asia' at the International Webinar on 'Post Covid-19 Development and Challenges in South Asia' collaboratively organized by Social Science Research Association of India (SSRAI), Central University of Jharkhand, Ranchi, Sophia Girls College, Ajmer and Savitribai Phule Pune University, Pune on 27<sup>th</sup> & 28<sup>th</sup> June 2020.

**...Faculty Participation in Webinars and Workshops**

**Mr. A. Ashish** also participated in:

- 'National Education Policy, Autonomy Status: Challenges and Opportunities' organized by IQAC and Department of Political Science, Rani Parvati Devi College of Arts & Commerce, Belagavi, Karnataka on 8<sup>th</sup> August 2020.

**Mr. Adrian Ferro**

- National Webinar on 'Transfusing the Originality in Research: Avoiding Plagiarism with Tools and Technologies' organized by IQAC Cell MMH College, Ghaziabad on 6<sup>th</sup> June 2020.

- International Webinar on 'Urban Environmental Strategies in Pandemic Period' organized by Seshadripuram Evening Degree College, Bengaluru, Karnataka on 19<sup>th</sup> June 2020.

**Mauna Kea is taller than Everest**

Mount Everest may be the tallest mountain above sea level, but when it comes to the tallest mountain on earth, that honor goes to Mauna Kea.

Above the sea, Mauna Kea only stands 13,796 feet in height. But when you follow the mountain to its base at the bottom of the Pacific, it's 32,808 feet more than 3,000 feet taller than Everest.

SOURCE: <https://www.farandwide.com/s/amazing-geography-facts-d9d661749cad43df>

**DISCLAIMER**

The Editorial team is not responsible for the views expressed in the newsletter.

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