Youth4Water
Innovation
Award Booklet

Profile Booklet 2022

Youth4Water Innovation Awards

Water Scarcity and Climate Change are perhaps the biggest challenge the world faces today. Our only hope lies in innovating to find sustainable lifestyle alternatives that each one can easily adopt. It is in this context that Youth4Water announced the Youth Innovation Awards 2022. Youth from across Odisha were invited to participate with their innovations for water conservation, WASH and climate resilience. Not only would they get a platform to showcase their ideas, they would also benefit from the mentorship offered at various stages of the program and the possibility of business support in the future. A series of orientation, training and mentorship sessions were organised for this.

230 valid entries were accepted of which 45 were placed before a jury of experts for evaluation. After 2 rounds of further shortlisting using an evaluation rubric developed by the jury itself, 11 youth were selected for the Youth4Water Innovation Awards 2022. The 11 Awardees were felicitated with certificates & cash prizes by Smt. Anu Garg; IAS, Additional Chief Secretary on 29th November 2022 at an event held at Rajiv Bhawan, Bhubaneshwar.

Expert Jury Members for **Youth4Water** Innovation Awards 2022

Shiny Saha

Shiny Saha is a development professional with over 10 years of experience. Her experience and interest lie in issues of social inclusion, with a particular focus on gender. She has been with IRC since 2017, currently supporting the Asia Regional Hub. Shiny holds a graduate degree in Sociology from the Department of Sociology at the Delhi School of Economics, University of Delhi.

Dr. Mangala Prasad Mohanty

Dr. Mangala Prasad Mohanty is a celebrated Odia poet who has created in the contemporary literary realm a niche which is very much his own. Dr. Mohanty is also an academician who has earned laurels for his in-depth study of Orissa Culture and Heritage. He is a recipient of UGC Senior fellowship and Senior Fellowship in Culture, Govt of India. Formerly Secretary, Odisha State Red Cross & Ex Chairperson, Inter Agency Group (IAG), Odisha.

Sonjoy Mohanty

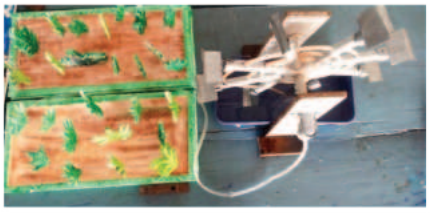
Sonjoy Mohanty, an MBA from the Indian Institute of Management, MA in Business Economics from Delhi University, and went to school at St Columba's New Delhi. He has over 35 years of work experience handling Marketing, Sales, General Management, P&L and Board Responsibilities, along with Policy work in large corporations across Oil & Gas, Micro Banking, Healthcare, Telecom, and Durables sectors. Sonjoy is currently the Senior Advisor at the ASG and works on the policy, advisory and strategy framework for clients.

Braja Kishore Nayak

Over 39 years of Experience in State Bank of India (SBI) in different assignments including Government Business, PR & CSR, liaisoning, control supervision & administration as well as business development. His core competencies include proficiency in liaisoning, marketing, team building, training, strategy building, follow up and supervision, audit & inspection, disaster management. He is presently State Director, Financial Literacy & Financial Inclusion, SBI, Bhubaneswar Circle.

Keshav Saini

Mr. Saini is a Young Development Professional leading youth led movements across Asia-Pacific Region. Being inspired by volunteering journey from initial phase of his career he became passionate to work with young people for community led change and advocacy initiatives. He is currently leading a Youth Climate Action programme with UNDP Regional Hub in Asia-Pacific Region. He is co-founder of Africa-Asia Youth Foundation, a cross-continental youth cooperation network for Afro-Asian Youth



The **Innovation Award** Winners

Rojalin Reddy
Khordha

Awardee: Field Tested Category

Innovation: Fabric recycling

My idea is to make this cycle sustainable, and re-use discarded fabric. I have a skill in using old sarees, discarded clothes, mats and paper to make beautiful home-decor products. This way I believe I'm contributing towards preventing environmental damage and promoting a culture of treating household discards to make creative decorative items for your homes, office spaces and institutions. I'm committed to create the value and demand for such sustainable products for gifting, decoration and daily utility purposes. The junk has so much potential to revive and relive again amongst us but people must come to terms in accepting this fact. I would need that support and push from the fellowship programme to pursue the idea with consistent rigour and passion.

Basanta Kumar Das
Puri

Awardee: Field Tested Category

Innovation: Biodegradable Sanitary Napkin

Basanta works in an organization Sakhi Neelachal Sanitary Napkin Training cum production centre promoted by local at Puri. The sanitary napkin is developed with vegetable fibres which are totally biodegradable products and cost less than regular sanitary napkins. The initiative was started with 65 women and adolescent girls who were trained by the organization. The organization has produced 5000 Sanitary napkins and marketing is done by local NGOs, SHGs, Goonj, School and local Shopkeepers. Their future plans are to promote more materials with entrepreneurship supports.

Yash Sharma

Dhenkanal

Awardee: Prototype Category

Innovation: Plastic Pyrolysis

Yash is pursuing B.A. in sociology from Ravenshaw University. From the last 2 years his team has been working in various public service activities starting from, plantation drives, plogging and cleanliness drives, animal rehabilitation and care, blood donation camps, free food and cloth distribution to the needy people etc. His innovation of plastic pyrolysis will solve the nation's problem. This is on green technology. It reduces single use plastic and make fuel and biogas and char for road/bricks making. Raw materials are easily available and some slums may get engaged. The major solution is that they can easily reduce the single use plastic as well as the reuse plastic. In pyrolysis 450-degree Celsius temperature is required but their technology can extract the same product at 270-350 degree Celsius. It provides 650ml of diesel out of 1kg plastic. His future plans include creation of a robust structure for plastic pyrolysis.

Amarendra Prusti

Angul

Awardee: Prototype Category

Innovation: Period Panties

Therefore, my key objective is to accelerate natural resources' efficiency in sustainable development. My idea is period panties. The product periods panty proved themselves as a worthy sustainable alternative to plastic made sanitary pads and tampon that also promote free-bleeding and provide that extra protection to ward off problematic stains. Designed to look and feel like regular panties, period panties come with extra layers (four layers), and highly absorbent fabrics in the crotch area that helps absorb menstrual blood and also manage the heaviest of menstrual blood flows with comparative ease. At last, no more period waste will go to landfill. All I need is guidance, mentoring and network support to realize my enterprise's vision.

Dwarka Prasad

Angul

Awardee: Prototype Category

Innovation: Edible Cups

My idea is to create edible cups- Small plastic particles may harm our health once they have entered our bodies. Plastic products contain chemical additives. A number of these chemicals have been associated with serious health problems such as hormone-related cancers, infertility and neurodevelopment disorders like ADHD and autism. Thousands of seabirds and sea turtles, seals and other marine mammals are killed each year after ingesting plastic or getting entangled in it. Unemployment is another major challenge, the proposed project aims to provide employment to skilled, Unskilled and semiskilled workforce. Through this programme, I want to build my capacity as a leader and learn to lead teams along with a common purpose.

Swaraj Kumar Barik

Khordha

Awardee: Prototype Category

Innovation: Drain to drink

As a child I have seen struggles around clean drinking water around myself and when I moved to the city for higher studies I found a market for clean drinking water where everyone wants a certain level of purity attached to water they drink to prevent innumerable fatal diseases caused by contaminated water. But due to the increasing threat on the availability of drinking water in our state, it is vital to explore options to treat wastewater specially drain water to make it safe for drinking. To start with I want to tap on the tourism industry and launch the idea to frequent buyers. I'm still exploring the right technology and then plan to do multiple rounds of check with the help of potential partners and testing labs in Bhubaneswar.

Mansi Mandal

Jagatsinghpur

Awardee: Prototype Category

Innovation: Incense stick from waste flowers

My idea is making incense stick from waste flowers. We do not have any machinery, so we do the composting process manually by beating the decomposed continuously on a netted filter and get powdered compost after doing one-hour of continuous labour. We started our business informally by selling the compost at Rs 4/kg. Today we sell it to the buyers at Rs 20/kg and make decent savings in our common account. I cannot read or write but do have an idea of the numbers. That helps in calculating the profits and losses. I want to prove a point that even if you're illiterate, you can be a successful entrepreneur by the virtue of your experiences, great team and a pool of well-wishers who have always supported and filled the gaps for us.

Anshuman Parida

Mayurbhanj

Awardee: Prototype Category

Innovation: Vertical Garden

I am district youth leader at TTI Takhatpur,Baripada, Mayurbhanj and have been actively participating in different on ground programmes. Urbanisation which is one of the most serious problems in 21st century, causes many environmental problems such as concrete areas and population increase. And people have no time to spend on gardening.

We waste water in so many places. My project name is vertical garden with automatic watering of plants. We use the waste water of aqua guard for gardening. I require a pipe length of 5-meter, 12 big plastic bottles and a frame where we establish our project. This will help in conservation of water. My future plans are to strategize my vertical gardening in a structure manner and make a business venture out of it.

Naresh Behera

Sundargarh

Awardee: Idea Category

Innovation: Waste Mandi

Naresh is a social entrepreneur in Rourkela, Odisha. He has a diploma in Mechanical from Government Polytechnic Sambalpur. Currently, his core skills are electronic repairing & electronic refurbishment & rocketry & satellite technology. His innovation Waste to Wealth- Waste Mandi will be India's first Recycling Trading Website, and participants include B2B (Business to Business), B2C (Business to Consumers), C2B (Consumers to Business), C2C (Consumers to Customers). His vision is to accelerate waste management and recycling network by creating a better platform. His mission is to protect, restore and provide solution to enhance the environment with economic viability. His waste Mandi Model incudes developing of an application/ website through which kabbadiwalas, industries, dealers and consumers will be linked together for ease of facilitating the process. His future plans include developing of the application and creation of a robust waste-mandi structure.

Ch. Kiran Patro

Khordha

Awardee: Idea Category

Innovation: Eco Brick

Ch. Kiran has a keen interest in finding solutions for the existing problems and use of waste plastics via different channels is one of them. His whole thought process revolved around 'kuch hare-bhare kaam apne dharti ke naam'(hindi). Ultimately, this process will let us enter a clean and green environment, which is his goal. Our future plans include reducing plastic waste by developing eco-bricks in a large scale.

Brainy Bunch
Sudam Beher Dalai & Team
ITI Chandragiri, Gajapati

Awardee: Idea Category

Innovation: Spiral Pumps

Our innovation is to design a system that helps us in investing the exact amount of water for our farming process and a process that enables us to operate the whole system without fuel consumption. In this project we want to implement a Spiral pump for farming purposes, this pump will run without fuel. The spiral pump (also known as a water wheel pump) is a hydraulic machine that pumps water without electricity & Fuel. Simple installation and low maintenance costs make the spiral pump a favorable, environmentally-friendly alternative. Spiral pumps work without fuel or electricity since the needed energy is supplied by flowing water (preferably a flow velocity faster than 1 m/s). The spiral pump saves up to 70% of overall lifetime costs compared to diesel pumping. The spiral pump requires no operating costs and it is environmentally friendly.

Youth4Water Campaign is a UNICEF-led exciting and ambitious campaign which has reached out to more than 4,35,000 youths with awareness and action programmes around Water, Sanitation and Hygiene (WASH). The campaign aims at enabling youth actions so as they can contribute towards achieving water security and sustainability and thus meet the local, national as well as global goals on WASH including those of the SDGs. The Campaign partners include reputed government and non-government organizations such as Department of Water Resources (Govt. of Odisha), Nehru Yuva Kendra Sangathan (NYKS), TATA STRIVE, PANTISS, WaterAid India, BGVS and FORCE.

Connect with us!

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