



by

Subijoy Dutta, P.E.
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<http://rowfoundation.org>

ROW ANNUAL MEETING & RELATED TRAINING/SITE VISITS

SUCHARIT DUTTA

32 Days in USA

Summary Report

Please register online at
<http://rowfoundation.org/0/annual-meeting>

Last updated:
July 11, 2019



Rivers of the World Foundation

1496 Harwell Avenue, Crofton, MD 21114-2108

Ph: 410-721-7706, www.rowfoundation.org

Announces a Meeting of the Members, Volunteers and Associates on

Award Announcements & Program Planning for-2019-2020

Date: **October 25, 2019** (Friday)

Begins at: **10:00 AM US** Eastern; **India - 7:30 PM**; **China/Philippines – 10:00 PM**

Venue: **Patuxent National Wildlife Visitor Center**

10901 Scarlet Tanager Loop, Laurel, MD 20708
301.497.5760 (See Directions Below)

NOTE: ROW Board members are encouraged to donate \$50/\$100 for supporting the 2019-2020 activities

THE LOCATION OF THE ROW ANNUAL MEETING

**Patuxent National Wildlife Visitor Center
10901 Scarlet Tanager Loop, Laurel, MD 20708**



Sucharit Dutta, Sudheer Shukla and
William (Bill) Roper

Rivers of the World (ROW) Annual Meeting 2019

This Year's meeting included a few special topics –

WWD-2019 Cash Award Winners Announcements –

Recipients notified during the Meeting/Conference Call.

**River restoration effort by other organizations in –
China, India, Nepal, Mexico, Philippines and USA**

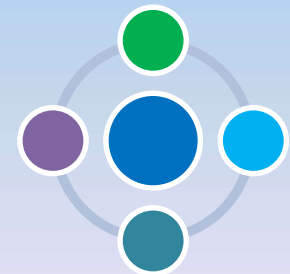


The following Items were covered at the Annual Meeting.

Agenda Items :

A. Registration/Introductions – 10:00 AM

- a. Registration – Sucharit Dutta visiting from Kolkata
- b. Welcome - William E. Roper
- c. Introduction - Subijoy Dutta
- d. Conference Call Line was opened for everyone at 10:20 AM
- e. International Attendees got connected around 10:30 AM



Rivers of the World (ROW) Annual Meeting 2019

B. Project Presentations –

C. Annual Report 2018-2019

D. Lunch – Complimentary lunch Provided at Meeting Room

E. River Projects - International Coordinators/Updates

- I. Kamal Taori – Lead Discussion – Water Scarcity/possible solutions
- II. William E. Roper - Advances in Environmental Remote Sensing
- III. Sudhir Nautiyal – Himalayan English School, Ghansali – Water testing/monitoring projects for the Bhilangana River w/shed.

F. Group Discussion – (2:15 PM)

Lead by Subijoy Dutta, P.E.

- a. Action Items For the Coming Year (1:0 hrs.) + Break (15 Mins.)
 - i. Environmental Training and Research Institute, Seminars - Iloilo, Philippines; Bhubaneswar, and Hyderabad, India
 - ii. Water Quality Testing/Monitoring – China/Rishikesh (Subijoy)
 - a. Tea/Coffee - Break : 15 Minutes
 - iii. Mural in Ghansali & Rishikesh by Jeff Huntington, Future History Now (Annapolis, MD)- in 2020
 - iv. Progress in Nepal Earthquake impacted schools (GOPIO support - grant) and other activities – follow ups
 - v. Stream/Lake restoration in India– Sucharit Dutta

G. Fundraising (3:30 PM) -

- William E. Roper, PhD, P.E.(Memberships and responsibilities)
- Subijoy Dutta (Possible RFPs for Grants/options)
 - Prepared by Donald Henry.

H. Financial Report

I. Adjourn

- 4:00 PM



Rivers of the World (ROW) Annual Meeting 2019

Announcement of Team Names for Cash Award (WWD 2019)

1. ROW-Philippines Team led by Mr. Noel Hechanova and Ms. Evelyn Belleza– Iloilo River, Tigum River and Batiano River (Cebu) 2019 – **Best event Award**



WWD-2019 Iloilo River, Philippines [Click here for Detail Report](#)
Best Event Award (\$200)



Rivers of the World (ROW) Annual Meeting 2019

Announcement of Team Names for Cash Award (WWD 2019) –

1. ROW-Philippines Team led by Mr. Noel Hechanova and Ms. Evelyn Belleza– Iloilo River, Tigum River and Batiano River (Cebu) 2019 – **Best event Award for WWD 2019**
2. ROW-China Team led by Ms. Yi Heng and Zhao Hong –**Best Children Participation Award for WWD 2019**



Yangtze River, China Trash Cleanup [Click here for Detail Report](#)
Best Children Participation Award (\$125)



Rivers of the World (ROW) Annual Meeting 2019

Announcement of Team Names for Cash Award (WWD 2019) –

1. ROW-Philippines Team led by Mr. Noel Hechanova and Ms. Evelyn Belleza– Iloilo River, Tigum River and Batiano River (Cebu) 2019 – **Best event Award for**
2. ROW-China Team led by Ms. Yi Heng and Zhao Hong –**Best Children Participation Award**
3. ROW-Gokul Team led by Mr. Pawan Sharma - **Best Community Participation Award**



Yamuna River Trash Cleanup Activities in Gokul, UP, India

[Click here for Detail Report](#)

Best Community Participation Award (\$125)

Rivers of the World (ROW) Annual Meeting 2019

Announcement of Team Names for Cash Award (WWD 2019) –

1. ROW-Philippines Team led by Mr. Noel Hechanova and Ms. Evelyn Belleza– Iloilo River, Tigum River and Batiano River (Cebu) 2019 – **Best event Award for WWD 2019**
2. ROW-China Team led by Ms. Yi Heng and Zhao Hong –**Best Children Participation Award for WWD 2019**
3. ROW-Gokul Team led by Mr. Pawan Sharma - Best Community Participation Award for WWD 2019
4. ROW-Kolkata Team led by Mr. Sucharit Dutta - **Special Pond Cleanup Award**



F:(L-R) Dutta- Soptasetu, Pritam, and Moushumi ;
Raiendra Yadav: Back Row: Siddhartha Das

ROW Kolkata Team



F: Soptasetu Dutta, Rudra Saha, Siddhartha Das,
pebleena Das, Sandip das, Sandip Sen,
Nanigopal Chakraborty, and Sucharit Dutta

Local people participated during cleanup



Ganges(Hooghly) River Watershed – Pond Cleanup Activities in Birati, Kolkata, India

[Click here for Detail Report](#)

Special Pond Cleanup Award (\$125)

Rivers of the World (ROW) Annual Meeting 2019

ROW Meeting Participants Signing into Webex/Calling in by Phone around the World -

1. ROW-Philippines Team Noel Hechanova and Evelyn Belleza– Iloilo River, Tigum River and Batiano River (Cebu) 2019 – Connected a day later – time difference issue
2. ROW-China Team led by Ms. Yi Heng and Zhao Hong – Called in (China)
3. ROW-Gokul Team led by Mr. Pawan Sharma – Attended through Rep. from INDIA
4. ROW-Kolkata Team led by Mr. Sucharit Dutta – Attended in Person from Kolkata, INDIA
5. Bishnu Adhikari, Pranuj Malla– Nepal – Connected ahead from Nepal
6. Anup Samantaray, Manas Mallick, Bhubaneswar, India – Conveyed information ahead, INDIA
7. Dr. Prabhakar Puth (Kerala) - Attended in Person from Kerala, INDIA
8. Sudhir Nautiyal – Uttarakhand, India - Attended in Person from Uttarakhand, INDIA
9. Daryl Jackson – Poteau, Oklahoma – Was out to a field and unable to connect
10. Prakasam Tata – Chicago, USA - Called in (Naperville, IL)
11. Kamal Taori, New Delhi, India - Attended in Person from New Delhi, INDIA
12. William Danshin– British Columbia, Canada – Connected later from Vancouver, Canada

A Very Special Thanks to the International Attendees in Person



Annual Report for 2018-2019

Subijoy Dutta, P.E.



- **Mr. Subijoy Dutta covered the activities by Rivers of the World Foundation in various countries during the year 2018 and**
- **Steps/Plans for activities in 2020.**
- **Mentioned about the Growing list of ROW Members/coordinators**
- **World Water Day 2019 Activities**
- **Training Provided in 2019**
- **ROW-Team activities in India**
- **ROW Papers and Presentations**

These items
are Covered
in Next Slides

Rivers of the World (ROW) Foundation is a Tax-Exempt (501(c)3) Organization. All contributions to the ROW Foundation (Fed. Tax ID 26-062-3120) qualify to be deductible from U.S. income taxes. All Rivers of the World Foundation team members are participating on their personal time and contributing their personal funds.





Rivers of the World Foundation, Inc.

1496 Harwell Ave., Crofton, MD 21114 USA

e-mail: rowfoundation@gmail.com; <https://rowfoundation.org>

September 22, 2019

Column1	Last name	Profession	Background	Headshot
Anup	K. Samantaray	Dean, IBCS, SOA University, Bhubaneswar	ROW Coordinator, Bhubaneswar, Odisha	
Bishnu	Adhikari	Founder/Principal Agaman Academy	Chairman, Rashtriya Secondary School	
Brij	Khandelwal	ROW coordinator, Agra, India.	Profession – Journalist-cum- Teacher	
Chandresh	Singh	Jaipur, India		
Cheenu	Srinivasan	Springfield, VA		
D.K. (Late)	Mital	Pillar of Yamuna effort since 1992. Ex-President, Lions Club Delhi-Capital, Delhi, India.	Received Lifetime Achievement Award (2009) from Yamuna Foundation(15 -year support)	
Dibyatanay	Joardar	Civil/Environmental Engg., GITAM School of Technology, Hyderabad.	Coordinator, Engineers Without Border-India, Hyderabad(Student Chapters)	

Column1	Last name	Profession	Background	Headshot
P.C	Abhilash	ROW Coordinator Kerala, India		
Pawan	Sharma	ROW Coordinator Gokul, UP,India		
Phalguni	Bhattacharyya	ROW Coordinator Kolkata, India		
Pinaki	Dutta	Member, Kolkata, India		
Prabhakaran	Puthyaveedu	Founder, Society for Rural Improvements. http://sriprojects.org / Kollengode	PhD, Century University, Los Angeles (1984). Founded Primary School - Sri Vidyalaya School in Kollengode, Kerala	
Pradip	P. Walhekar	Rotary Club, Pune Chinchwad District, Mula/Pawana River Cleanup volunteer.	College SF Jain Vidyalaya and Junior College	
Jayanta	Patra	Project Management planning, and coordination. Bhubaneswar, Odisha	MA in Sustainable Int'l Development, Brandeis University, Waltham, MA 02453 USA (2013)	
Jerry	L. Ellis, Jr.	Environmental Scientist with the U.S. EPA. ROW volunteer, Clarksburg, Maryland	MS, Environmental Science, Tufts University - Medford, Massachusetts, U.S.A. (1999)	
Manish	Shah	Travel Services Director, Arizona Holidays.	B.Com VLB Shri L.A. Shah Law College (1996). Active volunteer for Sabarmati and other River cleanups, Gujarat, India	

Growing list of ROW Members/coordinators

Please check our Full members list and pics at <http://www.rowfoundation.org>

Annual Report for 2018-2019

Subijoy Dutta, P.E.

World Water Day 2019 Activities in Partnership with UNEP



Greetings from Rivers of the World

A Foundation Dedicated to Restoring/Protecting Rivers and Streams of the World

World Water Day 2019 Activities and Reports

Click on the Picture below for Detail Report



Yangtze River, China Trash Cleanup [Click here for Detail Report](#)

Nominated for Award



Activities in Pavana and Mula Rivers, Pune, Maharashtra, India [WWD 2019 activities](#)



Activities in Gokul, UP, India [Click here for Detail Report](#)

Nominated For Award



WWD-2019 Odisha, India [Click here for Detail Report](#)

Impacted by Flood



WWD-2019 Kolkata, India [Click here for Detail Report](#)

Nominated For Award



WWD-2019 Kerala Sri Vidyalaya, Kollengode, Kerala [2019 Report not received](#)



Bogadi Lake Cleanup Activity - WWD-2019 Mysuru, India [2019 Reports yet to be recieved](#)
Follow up actions awaited.



WWD-2018 Naperville, Illinois, USA [Naperville-WWD 2019 Activities](#)



WWD-2019 Himalayan English School, Ghansali, India [Click here for Detail Report](#)



WWD-2019 Iloilo River, Philippines [Click here for Detail Report](#)
Nominated for Award



WWD-2019 Ellicott City-MD- USA [Click here for Detail Report](#)

Annual Report for 2018-2019

Subijoy Dutta, P.E.

Some of the Major Activities in 2019

- Announcement- Training Workshop [Feb 8-9, 2019 at SOA Univ. followed by Site Visit, Bhubaneswar, Odisha.](#)
- ROW-team activities [in 18 towns/cities Feb 5 to 24, 2019 in India - Maps and Pictures](#)
- ROW Team Papers & Presentations in [the 4th International River Summit, Philippines.](#)

Annual Report for 2018-2019

Subijoy Dutta, P.E.

In 2020 We plan to arrange Environmental Training in India, Philippines, and China

TRAINING COMPONENTS

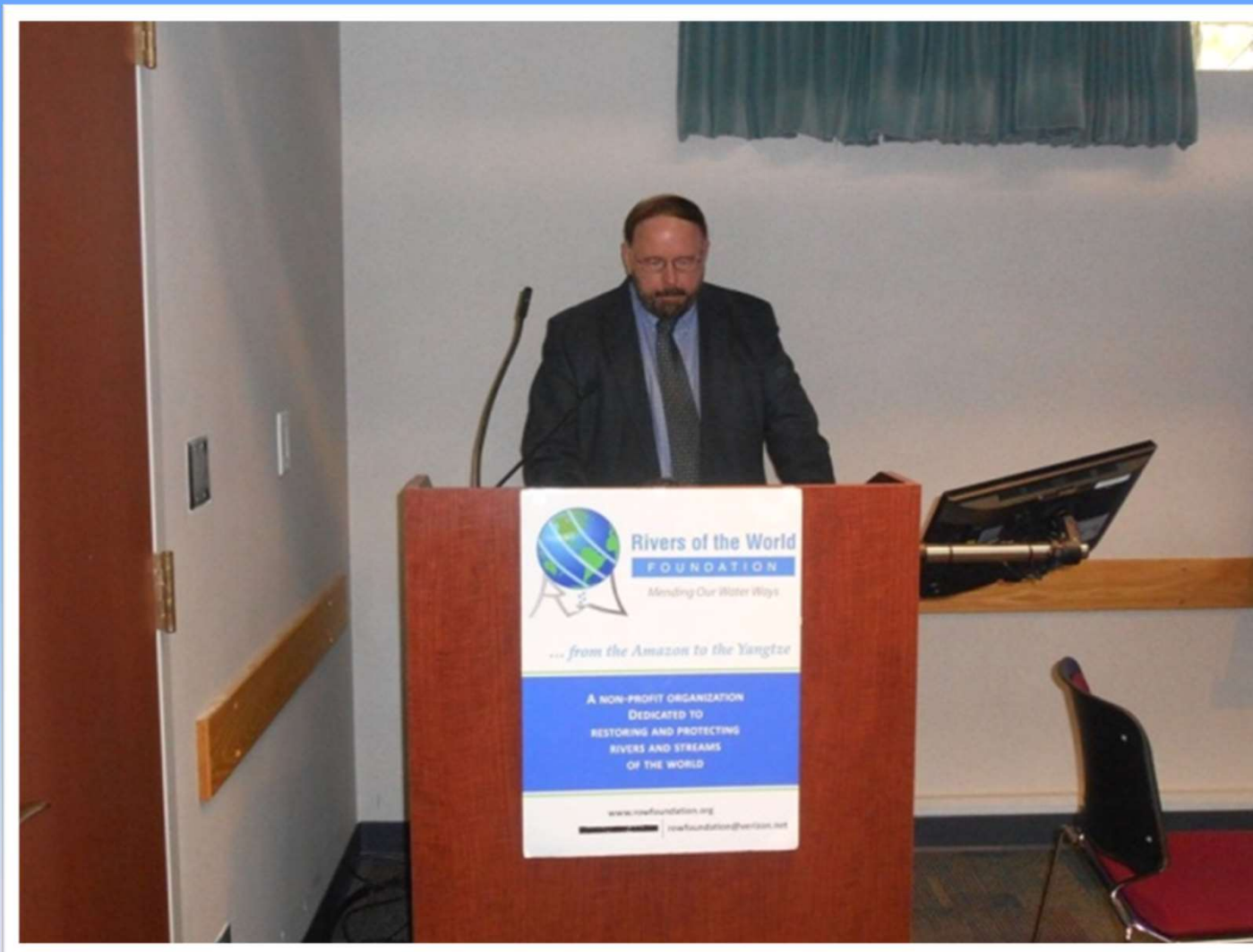
1. Water Treatments
 - a. Drinking Water
 - b. Wastewater
 - c. Stormwater
 - d. Water Quality – Testing and Monitoring
2. Waste (MSW + Hazardous + Medical) Management
 - a. MSW
 - b. Hazardous Waste
 - c. Waste to Energy
 - d. Recycle
 - e. Reuse
3. Climate Change
 - a. Factors affecting Climate Change
 - b. Remote Sensing Technologies
4. Yoga/Ayurvedic/Global interfaith
 - a. Yoga
 - b. Health
 - c. Women Involvement and Community Interaction
5. Education/Awareness
 - a. Media
 - b. WWD (World Water Day plus Similar Events)
 - c. Video Documentaries

Rivers of the World (ROW) Annual Meeting 2019

E. River Projects - International Coordinators/Updates

- Dr. Kamal Taori – Lead Discussion – Water Scarcity/possible solutions
 - The discussion began with a dynamic talk by Dr. Taori urging everyone to take their first steps towards waste managements in rural India on a block level.
- Dr. William E. Roper - Advances in Environmental Remote Sensing (presentation provided in the following few slides.
- Sudhir Nautiyal – Himalayan English School, Ghansali – Water testing/monitoring projects for the Bhilangana River w/shed. (Slides included later)

Annual Report for 2018-2019



Dr. Bill Roper discussed about the areas where the Rivers of the World Foundation is working and future potential work areas.



Dr. BILL ROPER TALKED ABOUT IMAGING TECHNOLOGY



Dr. Bill Roper talked about Imaging Technology; Analysing The Pictures; Data Analysis, and Stereoscopy.



THE ROW ANNUAL MEETING IN PROGRESS



**Mr. Sucharit Dutta Presenting the ROW-team's
Pond-Cleanup work in Kolkata**



Dr. BILL ROPER TALKED ABOUT IMAGING TECHNOLOGY



Dr. Bill Roper talked about Imaging Technology; Analysing The Pictures; Data Analysis, and Stereoscopy.



Dr. PRABHAKAR OF SRI ORGANIZATION KERALA (INDIA)



Dr. Prabhakar who is running SRI Society for Rural Development and SRI Vidhalaya in Kerala. SRI is working for women empowerment and approximately 50000 women are working with them.



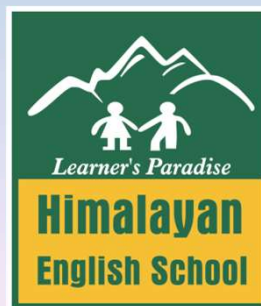
Collateral free Micro-credit is advanced exclusively to the poor and needy rural women. Micro-credit is taken to their door steps.



PRESENTATION OF HIMALAYAN ENGLISH SCHOOL GHANSALI



Located in deep Himalayan region Himalayan English School is running since 2012 and providing good quality education to rural students. Working with ROW and doing water testing and monitoring project since 2014.



Monitoring Water of River Bhilangana



Coming from glacier KHATLING in Himalaya river Bhilangana flows near HES

January 21, 2020

Knowing about the River Bhilangana



January 21, 2020



Rivers of the World (ROW) Annual Meeting 2019

B. Project Presentations –

C. Annual report for 2018-2019

D. Lunch

E. River Projects - International Coordinators/Updates

- I. Kamal Taori – Lead Discussion – Water Scarcity/possible solutions
- II. William E. Roper - Advances in Environmental Remote Sensing
- III. Sudhir Nautiyal – Himalayan English School, Ghansali – Water testing/monitoring projects for the Bhilangana River w/shed.

F. Group Discussion –

Lead by Subijoy Dutta, P.E.

- a. Action Items For the Coming Year was discussed. Some of the items included-
 - i. Environmental Training and Research Institute, Seminars - Iloilo, Philippines; Bhubaneswar, and Hyderabad, India
 - ii. Water Quality Testing/Monitoring – China/Rishikesh (Subijoy)
 - iii. Mural in Ghansali & Rishikesh by Jeff Huntington, Future History Now (Annapolis, MD)- in 2020
 - iv. Progress in Nepal Earthquake impacted schools (GOPIO support - grant) and other activities in Nepal – follow ups
 - v. Stream/Lake restoration in India– Sucharit Dutta Kolkata, Subijoy and team to take a look at Bengaluru and Mysuru

G. Fundraising

- Dr. William E. Roper, P.E. discussed about the member responsibilities to pay annual donations and assist in seeking possible grant funding.

- Subijoy Dutta (Possible RFPs for Grants/options)

H. Financial Report

- Prepared by Donald Henry. Subijoy Dutta briefly mentioned about the report.

I. Adjourn

4:00 PM



THE PARTICIPANTS OF THE ROW ANNUAL MEETING 2019



From Left – Sudhir Nautiyal, Arun Kumar, Prabhakar Puth, Dileep Thatte, Bill Roper, Kamal Taori, Cernelious Jones, Ashwin Patel, Sucharit Dutta, Matt Perry and Jeff Huntington - Photo: by Subijoy Dutta

ACTIVITIES DETAILS OF THE ROW ANNUAL MEETING



Mr. Subijoy Dutta informed about the activities done by Rivers of the World Foundation in various countries during the year 2018

Dr. Bill Roper informed about the areas where the Rivers of the World Foundation is working and future potential work areas.



Mr. SUCHARIT DUTTA EXPLAINED THE ROW ACTIVITIES IN KOLKATA (INDIA)



Cleaned Up Pond At Ward-32, Birati, Kolkata

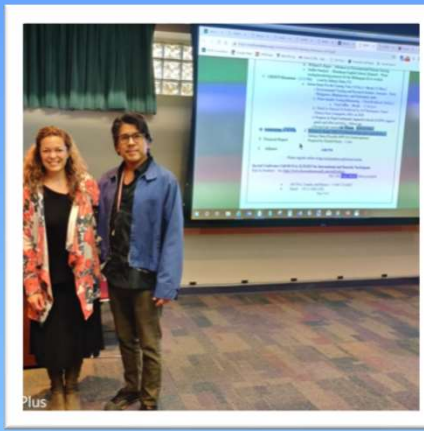
Mr. Sucharit Dutta explained how their team treated a Pond/wetland area which was full of trash and murky water in Ward-32 of the Birati Municipality, Kolkata, India.



ROW TEAM ACTIVITY IN KOLKATA & PUNE (INDIA)



JEFF HUNTINGTON & JULIA SPOKE ABOUT THEIR ART WORK



Jeff explained the work they are doing with ROW and community. They painted a mural in Himalayan English School, Ghansali ,India.



Site Visits/Workshop – Columbia University Hudson River, Statue of Liberty – New York

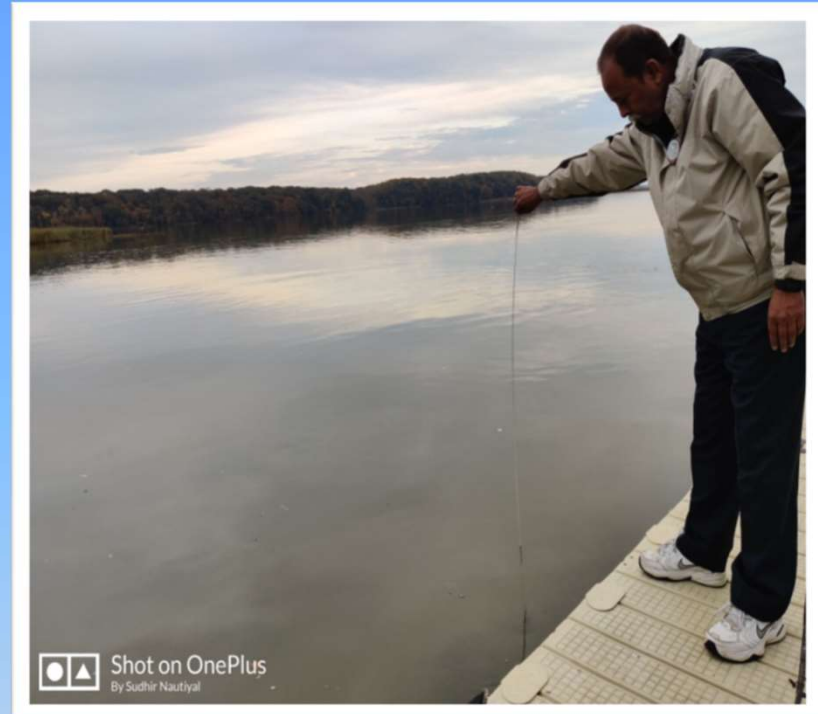




Site Visits/Training – Patuxent Riverkeeper, Annapolis Harbor, Maryland



VISITING PATUXENT RIVER AND MEETING RIVER KEEPER



Link to the Video by Patuxent Riverkeeper, Fred Tutman
<https://youtu.be/Yx4GcJX8CEE>

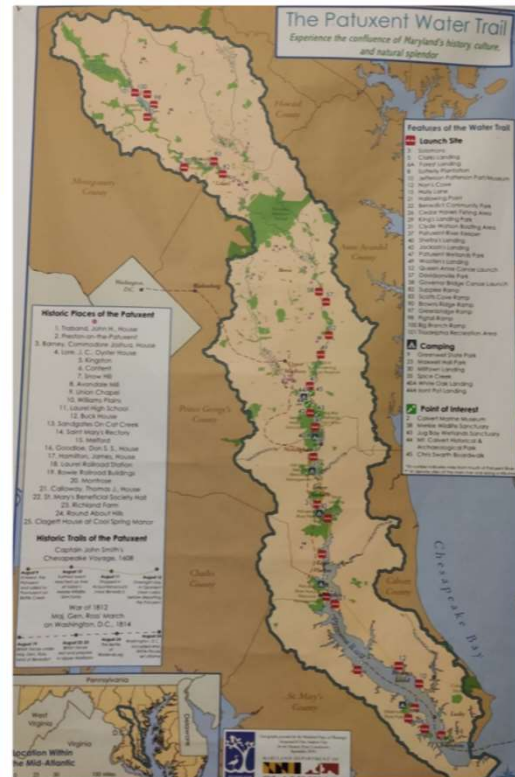
Checking Water Quality of Patuxent River, Maryland



Water quality - Water clarity was over 1.5 feet. The TDS value was ~700 ppm (high) due to salinity from the Tidal waves of the Chesapeake Bay – connected to the Atlantic Ocean

Visiting Patuxent Riverkeeper Office near the Riverbank, Maryland

Patuxent Riverkeeper,
Fred Tutman



What is a Riverkeeper?

THE WATERKEEPER MOVEMENT began on New York's Hudson River in 1966 when commercial and recreational fishermen united to save the river. In 1983, they hired the first full-time Hudson Riverkeeper to patrol the river, to re-based enforcement of environmental laws. The early successes of Hudson Riverkeeper spurred an explosive growth of similar grassroots programs across the globe. Founded in 1999 by environmental attorney and activist Robert F. Kennedy, Jr., the Alliance strengthens the impact of individual Waterkeepers by providing a centralized source of scientific, legal, media and capacity-building resources. Staffed by seasoned environmental organizers and attorneys, the Alliance brings local Waterkeeper organizations together to share the knowledge, insight and skills that help them to protect and defend the well-being of their local waterbodies. With over 125 member programs, Waterkeeper Alliance is the nation's fastest growing environmental organization.

Chesapeake Area Waterkeepers

- Assateague Coastkeeper
- Anacostia Riverkeeper
- Chester Riverkeeper
- James Riverkeeper
- Patapsco Riverkeeper
- Potomac Riverkeeper
- Severn Riverkeeper
- South Riverkeeper
- Patuxent Riverkeeper
- Upper Susquehanna Riverkeeper
- Virginia Eastern Shorekeeper

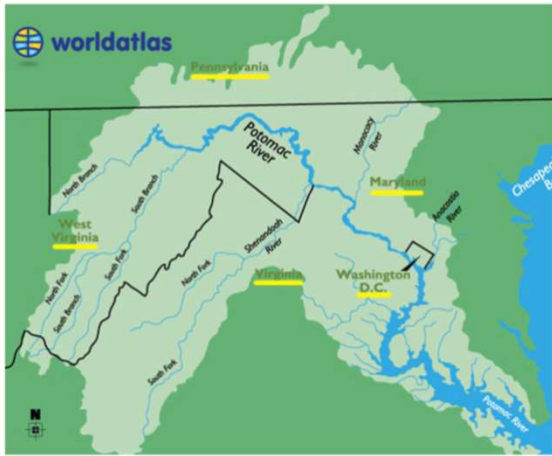
What does the Patuxent Riverkeeper do?

The Patuxent Riverkeeper works to improve, protect and preserve the river and the watershed...to help make sure that our vital water resources and the surrounding ecosystem are not squandered... and do not degrade from neglect, abuse and public indifference. The Patuxent River covers 930 square miles of watershed and runs for 110 miles through nearly the entire length of the State of Maryland. The Riverkeeper is a full time advocate working both on and off the River, to improve the entire river system. The Riverkeeper is non governmental, non partisan and solely dedicated to zealous efforts to protect, restore, and preserve the Patuxent as a viable resource for present and future generations.

It was a wonderful experience to see the functions of a River Keeper and to meet the Patuxent Riverkeeper, Fred Tutman. It was a new concept and experience for Sucharit Dutta, visiting the site from Kolkata, India. The practice is much needed to protect and restore a river. This is a glaring example/model for our ROW efforts in Bhilangana River, Ghansali, Uttarakhand, and Pavana River in Pune, India.



Visited Potomac River, Maryland, October 23, 2019



William (Bill) Roper and
Sudhir Nautiyal



Sucharit Dutta



Bill Roper

Potomac River, Maryland



The Potomac River is flowing in a Southeast direction along the west side of Washington, DC. The water is fairly clear and is rich in aquatic species including various types of Fish (indicates that the DO level is > 6.0 ppm).

Visited Waste To Energy Unit Covanta Plant



Covanta Plant

The COVANTA plant is converting waste into Energy. Sudhir Nautiyal and Sucharit Dutta from India visited the plant with Dr. Bill Roper (who arranged for the clearances and their visit). This was a great learning of how ~100,000 tons/day of Municipal Waste is being used to generate energy.

Covanta's Energy-from-Waste (EFW) facilities, burns about 2.5 million tons of waste from municipalities / businesses per month and generate sufficient electricity for home consumptions.

Covanta recycles a lot of metal each year.



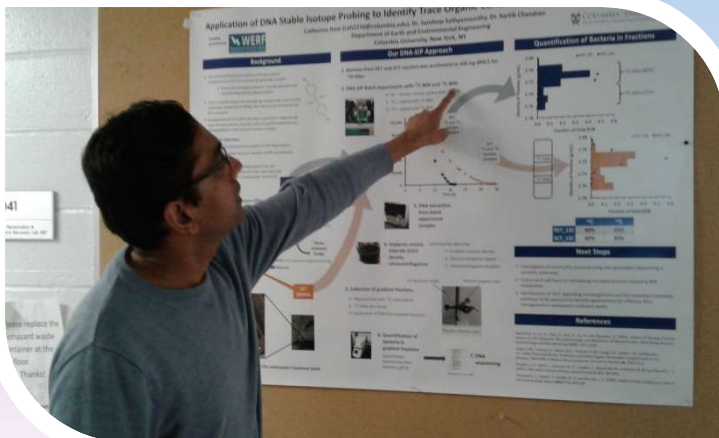
Visited Dallas, Texas For Stone Facia Training On Nov. 6



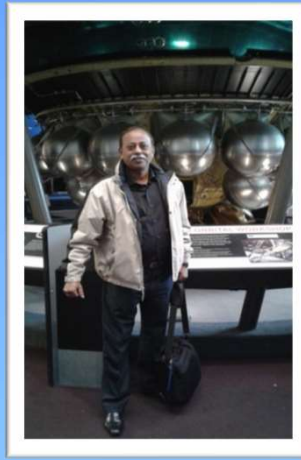
Brad Painter, Founder, Stone Facia



Attended an Workshop – Hosted/Invited by Dr. P. Somasundaran, Prof . Columbia University, NY



Visited Nasa Goddard Space Science Center



Nasa Visitor Center

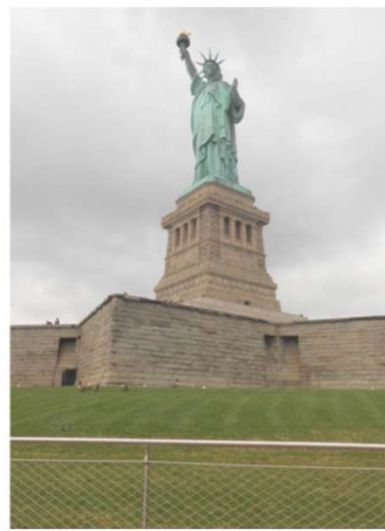
It was wonderful experience to visit NASA Visitor Center



Sudhir's 11 DAYS IN USA



Sucharit's 32 DAYS IN USA



Conclusions/Recommendations for FY 2019 Report

Subijoy Dutta, P.E.

- 1. This Fiscal year we'd like to begin a more progressive strides with the help and support of our members, and partners and with creative inputs and Ideas.**
- 2. We plan to arrange Environmental Training to upcoming professionals in Uttarakhand and Odisha in early 2020**
- 3. Small steps at a time –**
 - Initiate Small Demonstration Projects involving any of the following:**
 - Biological Treatment of a polluted Stream/Lake or Drainage Canal**
 - Other low-cost/Biological Systems**
 - Involve Communities – awareness programs**

QUESTIONS/Comments ?

Please send Questions/comments to

Subijoy Dutta, P.E.

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USA:410-721-7706

India: 98119-50643

Visit

www.rowfoundation.org

Report compilation/support -

**SUDHIR NAUTIYAL, Founder,
Himalayan English School, Ghansali**

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Report compilation/support -

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