

Form B-2
(FY2022)
Must be typed

Date (日付)
20/06/2022
(Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-
(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): Sadhana Shrestha (ID No. P20813)
- Name and title of the accompanying person (講義補助者の職・氏名)
None
- Participating school (学校名): Urawa Akenohoshi Girls' Senior High School, Saitama Prefecture
- Date (実施日時): 11/ 06/ 2022 (Date/Month/Year: 日/月/年)
- Lecture title (講義題目):
Environmental Issues in Nepal & My Research (Microbial Pollution of Groundwater and its Health Effect in Nepal)
- Lecture format (講義形式):
◆ Onsite ・ Online (Please choose one.)(対面 ・ オンライン)((どちらか選択ください。))
◆ Lecture time (講義時間) 90 min (分), Q&A time (質疑応答時間) 20 min (分)
◆ Lecture style(ex.: used projector, conducted experiments)
(講義方法 (例: プロジェクター使用による講義、実験・実習の有無など))
Presentation style using projector
- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

Among the different environmental issues that developing countries are facing, poor water quality is the much significant problem that has direct impact on human health. Nepal is a developing country situated between China and India in South Asia. Although it is rich in water resources such as lakes, rivers, water falls etc., the problem of water is rising especially in city area. City areas in the country are urbanizing haphazardly and population is growing continuously. On the other hand, the water resources are limited which resulted into scanty water and poor-quality water available for the citizens. People here suffer from water scarcity and from different disease conditions produced by poor-quality of water. Poor-quality of water means that the water contains harmful micro-organisms and chemical that it is not fit for drinking as well as for household purposes such as cooking, washing etc. When water is

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contaminated with harmful micro-organisms, upon drinking and using that poor-quality water, people suffer from different diseases especially from diarrhoeal disease. Diarrhoeal disease is the second leading cause of death in children under five years old and was responsible for the deaths of 370,000 children in 2019 worldwide. Every year diarrhoeal disease kills 525,000 children under five years of age all over the world. Researchers all over the world are doing different kinds of research works in examining the water quality of a given area and identifying the causes that led to the contamination of water resources. Such results have proved to be helpful in preventing the contamination of water resources and eventually preventing diarrhoeal disease.

◆Other noteworthy information (その他特筆すべき事項):

- Impressions and comments from the accompanying person (講義補助者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。):

No accompanying person involved.