

(For JSPS Fellow)

Form B-5

Date (日付)

08/10/2015 (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): Joydeep Chakraborty (ID No. P15089)

- Participating school (学校名): Utsunomiya Girls' High School

- Date (実施日時): 02/10/2015 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) Environmental Biotechnology: Cleaning up the mess

(in Japanese)

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

As the title says, my lecture was about the burning issue of environmental pollution, its causes and effects and how biotechnology helps in management of toxic environmental pollutants. There were no distinct sections in my presentation, but I focused on four major areas: I began with a description of my country and myself. This included my educational background and how I got interested in research. Then, I discussed about the importance of learning english, especially for globalization of scientific research (international collaborations, sharing scientific ideas through international publications, etc.). This was followed by an overview of environmental pollution and the role of biotechnology in remediation of pollutants, which was the main theme of my lecture. I had already sent a lecture note to the school few days in advance to make the students aware of the scientific contents of my lecture and important keywords used therein. Finally, I shared some of my (research) contributions as an environmental microbiologist and future prospects of this field of research. I concluded my lecture with what young students can do once they join research. Though the topic was quite serious, I tried in every possible way to keep my lecture simple and to make the session interesting for young students who aren't yet into research. After the lecture, I showed them some live bacterial cultures and how we identify potential degraders (of any specific organic pollutant) among different bacterial strains.

- Language used (使用言語): English

- Lecture format (講演形式):

◆Lecture time (講演時間) 55 min (分), Q&A time (質疑応答時間) 5 min (分)

◆Lecture style (ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

Powerpoint presentation using projector, followed by demonstration of microbial growth on organic pollutants

- ◆ Interpretation (ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

Not Applicable

- ◆ Name and title of accompanied person (同行者 職・氏名)

Not Applicable

- ◆ Other note worthy information (その他特筆すべき事項):

There was huge cooperation from teachers in making the environment comfortable for me, especially when it came to translating very critical English into corresponding Japanese word(s).

- Impressions and opinions from accompanied person (同行者の方から、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。): Not Applicable