

Form B-5

Date (日付)

20/07/2016

(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): **Dr. Dhananjay Kumar DESHMUKH** (ID No. **P 14315**)

- Participating school (学校名): **Akashikita Senior High School - Hyogo Prefecture**

- Date (実施日時): **15/07/2016** (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): (in English) **Aerosol sources and chemical composition**  
(in Japanese)

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

**The lecture was divided into three parts:**

1. In the first part I briefly introduced myself and then introduce university where I am doing my postdoctoral research in Japan. Then we had a look where India is located in the world. I also explained about the surroundings of India. I talked about the educational and research institutes in India as well as some historical places and famous Indians. I also introduce the recent achievement of India that Indian Space Research Organization successfully launches 20 satellites into a single rocket into respective orbits on 22 June 2016. This was mostly demonstrated using pictures that helped the students to follow my talk. Then I slowly switched the focus to my hometown "Raipur". I introduced the university whereas I had studied for my master and doctoral course.
2. The second part of my lecture was about my research in the field of chemistry of atmospheric aerosols. Before starting the topic I explained why the work of researcher is fascinating and important and why I wanted to become a researcher. I explained about the sources of atmospheric aerosols as well as the effects of aerosols on human health and climate. I showed the students how aerosol samples are collected and analyzed using analytical instruments. This was demonstrated with the help of many pictures that made topic very interesting and helped the students to better understand about my research field. I explained my current JSPS project on Okinawa aerosols to the students and also discussed some important findings.
3. In the last part of my talk I discussed the important of English in science and the reason I choose Japan for my postdoctoral research work. Finally I showed my research achievements to the students.

- Language used (使用言語): **English**

- Lecture format (講演形式): **Power Point Presentation**

◆Lecture time (講演時間) **60** min (分). Q&A time (質疑応答時間) **15** 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))

**Presentation using projector**

◆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))

**Unfortunately I was not able to find anyone to accompany me and therefore there was no translation**

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

**No accompanied person**

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

**None**

- 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。): **No accompanied person**