

Form B-2
(FY2020)
Must be typed

Date (日付)
16/11/2020 (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): Arijit Mallick (ID No. P19050)

- Name and title of the accompanying person (講義補助者の職・氏名)

NA

- Participating school (学校名): Hita High School

- Date (実施日時): 13/11/2020 (Date/Month/Year: 日/月/年)

- Lecture title (講義題目):

CO2 CAPTURE FROM AIR TO CONTROL POLLUTION & GAS PURIFICATION

- Lecture format (講義形式):

◆Lecture time (講義時間) 60 min (分), Q&A time (質疑応答時間) 30 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))

Used Projector

- Lecture summary (講義概要): Please summarize your lecture within 200-500 words.

This lecture was about CO₂ Capture from Air to Control Pollution & Gas Purification. In present days air pollution become an important part of global warming, which may cause unbearable loss for all leaving beings. Human being has an important role in accelerating air pollution. We, the researchers are continuously trying to solve these problems using various technologies, innovation and ideas. CO₂ is one of the major parts of air pollutant and needs to be removed or separate to purify air. Metal-Organic frameworks (MOFs) are an important class of porous materials which can capture CO₂ directly from air and helpful for air purification. The advancement of separation technology using MOFs was discussed in this lecture in details. At the end, how students can participate to control air pollution was also discussed.

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

SD

※弊会記入欄

- 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。):