(For JSPS Fellow)

Form B-5

(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): <u>Jatindra Nath Bhakta</u>	(ID No. P L16556)
- Participating school(学校名): Takamatsu Sakurai High Scho	ool in KAGAWA
- Date (実施日時): <u>30 / 1 / 2017</u>	(Date/Month/Year:日/月/年)
- Lecture title (講演題目): <u>(in English)</u> Probiotics: A potent safeguarding life from intoxication of environmental pollution_	••
_(in Japanese) 環境汚染から身を守る	5手段としての微生物テクノロジー
- Lecture summary (講演概要): Please summary your lecture The first part of lecture includes the diffrent aspects of my conature, environmental, historical, educational, scientific, cultusimple way with lot of photographs along with movies. In secony devottion and interest in research are to serve the senvironment by developing green technology. In 3rd and 4th critical problems of environmental poolution, especially he environmental and human healths. To solve this tremendo heavy metals, how we can apply the probiotic lectic acid be biorenedation technology in order to develop the clean environ In this regard, different materials and methods have been pictrial illustrations and movies to isolate and aplly the benefields, that means, bioremediation of heavy metals from aquoe and fish). The presentation also explained the various benefit body and how it detoxify the toxic metals in animal body. It is probiotic bacteria of Lactobacillus sp. could be used as a pote impacts of heavy metals in animal body and also in aquoeous	country India, such as - scenarios of cural, agricultural and human life in cond part, the lecture explained that ociety and for creating the clean in parts of lecture, I presented how eavy metal pollution damages the cus health hazardous problems of facteria as a ptential tool of green ment and to protect human health. explaided using the live relevant efficial probiotic bacteria in practical eous phase and from animals (mice cial aspects of probiotics in human has been concluded that identified ential agents in detoxyfying the toxic
- Language used (使用言語): <u>English with few Japanese</u> - Lecture format (講演形式):	
- Lecture format (講演形式): ◆Lecture time (講演時間) 105 min (分), Q&A time (分)	質疑応答時間) <u>5 min(分)</u>
◆Lecture style(ex.: used projector, conducted experiments	3)

(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))

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◆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))

Few self explanation in Japanese

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

No

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

Some participated students are interested in probiotic bacterial application for detoxification.

- 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。):

This type of Workshop cum scientific lecture is good to motivate the students. More time is required for Japanese explanation.