

Minutes of the meeting under UKIERI programme (Grant No: DST/INT/UK/P-82/2014)

Date: 18th August 2015

Time: 11am to 4 pm

Venue: Feedwater Ltd., Wirral, UK

Present: Prof. Asim Bhaumik (Indian Project Lead, IACS), Dr Tapas Sen (UK Project Lead, University of Central Lancashire), Dr Debabrata Rautaray (Tata Chemicals Ltd., Pune, India), Mr. Gary Hogben (FeedWater Ltd., UK), Prof. Ian James Bruce, University of Kent, Canterbury, UK as an independent consultant / advisor, Mr. Qurban Ali (UCLan, UK), Ms Amritvir Kaur (UCLan, UK), Mr. Eric Jones (UCLan, UK), Ms Jessica Oliver (UCLan, UK).

Absent: Dr Nawal Kishor Mal (Tata Chemicals Ltd. India), Dr Anil Kumar (Tata Chemicals Ltd. India), Dr Anirban Ghosh (Tata Chemicals Ltd. India), Dr. Yogita Patil-Sen (UCLan, UK), Ms Piyali Bhanja (IACS, India), Mr Subhajit Bhunia (IACS, India)

Apologies for Absent: Members of the project who were absence

Agenda items

No	Item	Action plan
1	Discussion about the previous minutes and action plans	<ul style="list-style-type: none"> Tapas will create a new minutes from the project and circulate the project members.
2	Introduction of the project concept, project aims and deliverables by Tapas Sen	<ul style="list-style-type: none"> Tapas and Asim have agreed to concentrate on manuscript submissions and 2 manuscript should be submitted by the end of October 2015.
3	Introduction of background work of IACS by Prof. Asim Bhaumik	<p>Asim Bhaumik updated the project work at IACS under tasks 1 and 2:</p> <ul style="list-style-type: none"> A new postdoc will be working on new materials and application esp. arsenic removal <p>Ms Piyali Bhanja will carry on the following work as a part of her PhD thesis:</p> <ul style="list-style-type: none"> Hybrid porous phosphonates materials under task 1 and their potential application as ion-exchange materials for water treatment.

		<p>Mr Subhajit Bhunia will carry on the following work as a part of her PhD thesis:</p> <ul style="list-style-type: none"> Designing hybrid porous organic polymers for stabilizing Ag nanoparticles under task 1 and send the material to UCLan to explore their potential application for the separation of microbial contaminants from water.
4	Update of UCLan's tasks (1, 3, 4) by Dr Tapas Sen and how his group will continue.	<p>Mr Qurban Ali will carry on the following work under the tasks 1, 3 and 4 as a part of his PhD thesis</p> <ul style="list-style-type: none"> Surface functional of carbon based hybrid nanocomposites with specific single stranded DNA of various water borne microorganisms for the detection of such microorganisms present in contaminated water under task 3 Testing IACS materials <p>Ms Amritvit Kaur will carry on the following work under the tasks 1 and 3 as a part of her PhD thesis</p> <ul style="list-style-type: none"> Development of high surface area hierarchically ordered porous crystalline nanocomposites and incorporation of multifunctionality i.e. magnetism and antimicrobial property <p>Mr. Eric Jones will carry out the following tasks</p> <ul style="list-style-type: none"> Development of prototype using activated carbon based magnetic nanocomposites in collaboration with summer intern for the removal of organic and toxic metal ions removal
5	Exchange visits	<p>An exchange visit from UK to India is due in October and December An exchange visit is due from IACS, India to UCLan, UK in February-March 2016 followed by another one at the end of March for International symposium</p>
6	Outreach activity	<p>Outreach document is ready and UCLan will arrange at least 1 public and school event by the end of Dec 2015.</p>
7	Dissemination activity	<p>At least two manuscripts should be submitted from both sides i.e. India and UK. Responsible person will be the project leads from both countries.</p> <p>An international conference is scheduled in March 2016 and all party is responsible to contact speakes but Tapas Sen, UCLan is responsible for website development, call for papers and finance etc. One day workshop has been organised on 20th August 2015.</p>