



# Academy of Scientific and Innovative Research

## Eighth Meeting of the Senate

August 2, 2013, 11:00 am

Venue: Room No. 101, Anusandhan Bhavan, 2, Rafi Marg, New Delhi

Sl.No.	Name of the Member	Mode of Participation
1.	Prof. Gautam Biswas	In person
2.	Prof. Nagesh R. Iyer	In person
3.	Prof. Kunal Ray	In person
4.	Prof. Amitabha Chattopadhyay	In person
5.	Prof. A. Ajayaghosh	In person
6.	Prof. (Mrs) Asha A. Juwarkar	In person
7.	Prof. Pijush Pal Roy	In person
8.	Prof. Partha Banerjee	In person
9.	Dr. Vinod Scaria	In person
10.	Dr. Poonam Arora	In person
11.	Prof. Amitava Sengupta	In person
12.	Prof. Prem Krishna	In person
13.	Dr. Shantanu Sengupta	In person
14.	Prof. Rakesh Mohan Jha	In person
15.	Prof. (Mrs) Santa Chawla	In person
16.	Prof. P. Seshu	Video Conference
17.	Prof. B.D. Kulkarni	Video Conference
18.	Prof. K.S. Krishna	Video Conference
19.	Prof. Vivek Ranade	Video Conference
20.	Prof. Javed N. Agrewala	Video Conference
21.	Prof. Vijaya Mohanan K Pillai	Video Conference
22.	Prof. (Mrs) Lakshmi Kantam	Video Conference
23.	Prof. S.K. Bhattacharyya	Video Conference
24.	Prof. Dr. S. Srikanth	Video Conference
25.	Prof. Shyam Sundar Rai	Video Conference
26.	Dr. Rajan Sankaranarayanan	Skype
27.	Dr. Shankar Doraiswamy	Video Conference
28.	Prof. R.K. Baruah	Video Conference
29.	Prof. Suman Kumar Mishra	Video Conference

Prof. Ram Rajsekharan, Prof. B.K. Mishra, Prof. Dinesh Singh and Dr. Pronab Sen could not attend the meeting due to prior commitments. They were granted leave of absence.

## **INITIATION OF THE MEETING**

**Item No. 1:** Professor Gautam Biswas, Acting Director, AcSIR and Chairman of the Senate welcomed all the members of the Senate and thanked them for participating in the eighth meeting of the Senate.

As per Clause 5(2) of the Academy of Scientific and Innovative Research Act, 2011, AcSIR is supposed to enter into a MoU with CSIR after its enactment. The Chairman informed the Senate that this clause has now been published in the official Gazette on 26 July 2013 and the MoU between AcSIR and CSIR has been signed on 27 July 2013. The members present welcomed the formalization of all the clauses of the Act.

**Item No. 2:** With respect to the Action Taken Report the following discussion took place:

The members had a detailed discussion on the formation of the Board of Studies (BoS). It was informed by the Chairman that the BoS would be formed after the Statutes are approved by the Board of Governors of AcSIR in its next meeting. All the members agreed that it is now important to form the BoS since its primary responsibility is to judge the standard of activities of the Academy and to maintain the quality of the courses being offered.

It was also agreed by all the members that in order to maintain quality of the courses being offered, all labs will have to mandatorily maintain a course file for each of the courses being taught so that standard of the courses offered are maintained. It is also important for furnishing necessary information to the BoS for its function.

Since a few of the students are ready for submission of their PhD thesis, the Senate Chairman suggested the members that while selecting the list of examiners, it should be encouraged to include examiners from abroad for the thesis, and examiners from CSIR labs may be avoided to the extent possible. It was also stressed by all the members that attempts should be made to keep the time frame for thesis examination to 8 weeks so that it becomes a strong USP for the Academy.

He then proceeded to update the Senate about the actions taken on various items subsequent to the last Senate meeting. The members acknowledged the actions being taken on the necessary items and noted with satisfaction the progress made.

The Minutes of the 7<sup>th</sup> meeting of the Senate held on April 5, 2013 received no comments/suggestions from the members and was unanimously approved by all the members attending the meeting in person or through electronic media.

## **ITEMS FOR RATIFICATION**

**Item No. 3:** Senate members ratified Agenda Item No. 3 having laboratory-wise detailed information of a total of 496 selected candidates in the PhD programs in Science and Engineering for the August 2013 academic sessions from the different CSIR laboratories. It was also noted that all the laboratory wise information on selection of candidates were recommended by the respective cluster Deans and approved by the Senate Chairman. The Senate also took note of the fact that the first batch of 13 students under the AICTE-INAE scheme for Engineering teachers for Doctoral Research has been inducted in 6 participating labs for their Ph.D program. Also, the Senate expressed its happiness that the AcSIR-PHFI joint program on Integrated M.Sc-Ph.D in Health Informatics and Clinical Research has selected 27 students in both the programs for enrollment in the August 2013 session.

**Item No. 4:** Senate members ratified the selection of 129 students in the 17 programs being offered across 12 participating labs for the Integrated MTech-PhD program of AcSIR. This year the admissions have been made under the following six categories:

- i. Trainee Scientists (TS)
- ii. Quick Hire Fellows
- iii. NET (Engineering) qualified candidates
- iv. GATE (JRF) candidates
- v. Project Sponsored candidates and
- vi. Industry sponsored candidates

**Item No. 5:** Senate members then took up and endorsed the results of 81 students of the third batch of two-year full time MTech (PGRPE-2011) program, graduating in 2013. Out of a total enrollment of 88 students for the batch, 81 students have successfully completed their courses. Chairman Senate informed the members that the Convocation for conferment of the degrees would be scheduled shortly and intimated to the labs.

**Item No. 6:** The Chairman informed the Senate the results of the Viva Voce examination of Mr. Tanveer Ahmad, who has successfully defended his thesis and has been provisionally awarded the first PhD degree of the Academy. The formal award of the degree will be during the Convocation of the Academy. The members ratified the results and approved the award of the degree at the next Convocation.

**Item No. 7:** Senate members ratified introduction of new courses of CSIR-NBRI and CSIR-IGIB in Biological Sciences, CSIR-IITR in Chemical Sciences, CSIR-AMPRI, CSIR-NAL and CSIR-4PI (formerly CSIR-CMMACS) under Engineering Sciences and of CSIR-4PI (formerly CSIR-CMMACS) under Physical Sciences for their Ph.D. program. The courses have been recommended by the respective Cluster Deans and approved by the Chairman, Senate.

The Senate also ratified

- i. the modifications of courses at CSIR-IHBT and CSIR-NBRI in Biological Sciences.
- ii. the courses to be offered in the 1<sup>st</sup> semester for the AcSIR-PHFI joint program on Integrated-MSc-Phd Dprogram in Health Informatics and Clinical Research. The courses have been carefully reviewed by the Dean of Biological Sciences and approved by the Chairman, Senate.

**Item No. 8:** The Senate also took a note and granted approval to Shri. Mohit Verma (Enrollment number 20EE12J41005) of CSIR-SERC to take up Fullbright-Nehru Doctoral and professional fellowship 2013-14. His case has been approved by CSIR-SERC and has been duly approved by the Dean of Engineering Sciences and the Chairman, Senate.

The members unanimously agreed that such cases would be taken up on a case-to-case basis and the students would be awarded academic holiday with the approval of the Senate.

#### **ITEMS FOR INFORMATION**

**Item No. 9:** The Senate ratified the provisional enrollment of three Sponsored candidates for the PhD program of AcSIR CSIR-NML who could not fill up the online form on the AcSIR admission portal. The provisional enrollment of Mr. Hari Babu, Mr. Vikas Singh and Mr. Dharendra Prasad were approved.

The Senate approved that these students will have to fill up the online application form through the admission portal at the January 2014 session to formalize their enrollment. The residency period for these provisionally enrolled candidates, will be considered towards fulfillment of their academic requirements from August 2013 when the session starts and their tuition fees will be charged at the prescribed rate from August 2013 itself against provisional enrollment.

**Item No. 10:** The Senate ratified the provisional admission of fifteen students admitted at CSIR-IGIB for the AcSIR Ph. D program in 2013. These students did not fill up the online form on the AcSIR admission portal and were selected through a separate call for admission by CSIR-IGIB.

One student having a DST-Inspire fellowship was selected at CSIR-NGRI who had not filled up the online admission form.

The Senate approved these students to fill up the online application form through the admission portal at the January 2014 session to formalize their enrollment. The residency period for these provisionally enrolled candidates, will be considered towards fulfillment of their academic requirements from August 2013 when the session starts and their tuition fees will be charged at the prescribed rate from August 2013 itself against provisional enrollment.

**Item No. 11:** The Senate was informed of deferment of enrollment of one student, Mr. Roshan Kumar Sahu, selected for the August 2012 session at CSIR-HQs/OSDD in the faculty of Biological Sciences, till the August 2013 session. The deferment was approved by the respective cluster Dean and the Senate Chairman.

**Item No. 12:** The Senate noted the approval received from the Chairman, Senate for change of thesis guide of Mr. Sheikh Gore Mastan (Enrollment Number 10BB11J16002) enrolled at CSIR-CSMCRI for the January 2011 session since his former guide, Dr. Jitendra Chikara had superannuated from his position. The senate was informed of the transfer of the candidate under the joint guidance of Dr. Arup Ghosh and Dr. Mangal Singh Rathore.

The members of the Senate strongly recommended that when a guide superannuates, he/she should be allowed to remain a guide, since his/her intellectual inputs have been provided in the research topic from the beginning and the student should be having a co-guide for academic and administrative purposes. The Senate recommended that Dr. Jitendra Chikara may be included as a guide. In case Dr. Chikara declines to remain a guide, he should be suitably acknowledged in the thesis.

**Item No. 13:** The Senate noted the transfer of Mr. Ayan Kumar Barui and Mr. Sudip Mukherjee of CSIR-IICT, both from January 2012 batch, Mr. Shahnawaz Khan, Mr. Arvind Kumar and Ms. Neha Sharma of CSIR-IIIM, all from January 2013 batch, from faculty of Biological Sciences to the faculty of Chemical Sciences with recommendation of Deans of both the faculties and approval of the Senate Chairman.

The Senate permitted Mr. Suresh Babu Pasupuleti of CSIR-IICT of January 2012 batch to be transferred from the faculty of Chemical Sciences to Engineering Sciences and Ms. Jyoti Singh of CSIR-IITR of January 2013 batch to be transferred from the faculty of Chemical Sciences to faculty of Biological Sciences.

**Item No. 14:** The Senate was informed of the transfer of AcSIR PhD students Ms. Anitha Vijay kumar and Mr. D. Kanaga Vijayan (from January 2012 session) and Ms. Venkateshwari Vardharajan (from August 2012 session) from CSIR-CIMAP to CSIR-CFTRI

due to transfer of their PhD Supervisors from the former to the latter CSIR Lab. The transfer was duly recommended by the Dean of Biological Sciences and approved by the Senate Chairman.

Also, Senate took a note of the transfer of seven students – Mr. Tanmay Banerjee, Mr. Gandra Upendar Reddy, Mr. Hridesh Agarwalla, Mr. Arunava Maity, Ms. Monalisa Gangopadhyay, Mr. Vadde Ramu, Mr. Firoj Ali – from CSIR-CSMCRI to CSIR-NCL due to transfer of their guide Dr. Amitava Das from one to the other CSIR Lab. The transfer of the students was duly recommended by the Dean of Chemical Sciences and approved by the Senate Chairman.

**Item No. 15:** The Senate took note of the approval accorded by the Senate Chairman on the basis of the recommendation of the cluster Dean that Prof. Arabinda Choudhuri of CSIR-IICT be recognized as a joint faculty of Chemical Sciences and Biological Sciences of AcSIR.

**Item No. 16:** The Senate took note of the proposal as approved by the Dean and the Senate Chairman for recognition of Prof. Biswarup Basak of BESU, Shibpur as a co-guide for Mr. Sumit Kumar (Enrollment No. 32EE12J12006) of CSIR-CMERI. His primary guide is Dr. Jaydeb Roychowdhury from CSIR-CMERI.

**Item No. 17:** The Senate acknowledged the contribution of Prof. Indranil Manna, former Member of AcSIR Senate and former Director of CSIR-CGCRI, during his association with the Academy from its formative days. The Senate was informed that Prof. Manna will be associated with the Academy as an Adjunct Professor and will be primarily affiliated with CSIR-CGCRI.

**Item No. 18:** The Senate members were informed about the appointment of Prof. Pawan Kapur, former Director of CSIR-CSIO as the first Distinguished Emeritus Professor of AcSIR. He will be primarily affiliated with CSIR-CSIO, Chandigarh and involved in providing guidance to Masters and PhD students to conduct seminars and lectures and bring in projects in his areas of interest. He will also be free to be associated with other CSIR Laboratories participating in different program of AcSIR.

**Item No. 19:** The Senate wholeheartedly approved the proposal for recognition of Prof. Michael Graetzel of École Polytechnique Fédérale de Lausanne as Academy Professor of AcSIR and recommended the proposal be forwarded to the Board of Governors for approval.

#### **ITEMS FOR DISCUSSION & APPROVAL**

**Item No. 20:** The Senate members discussed at length the plans to recognize credits earned by the AcSIR students from the huge repository of courses available on online portal like **COURSERA** (<https://www.coursera.org/>) (or equivalent portals). Since AcSIR is yet to compile their online coursework, the Senate members recommended that the original Course Committee of AcSIR may be reconstituted under the Chairmanship of Prof. Amitabha Chattopadhyay by inducting members from the different faculty and review a basket of online courses for each of the faculty and shortlist around 5 courses each for recommendation to the Senate at its next meeting.

**Item No. 21:** The Senate members discussed in details the proposal for inclusion of GRE as one of the eligibility criteria for admission to AcSIR. The members decided that GMAT should also be included as an eligibility criterion. It was decided that the Admission Committee of AcSIR under the Chairmanship of Prof. Ajayaghosh review the proposal and

submit a report to the Senate at its next meeting. It was also decided that the Admission Committee would re-look into the admission criteria and amend the present short listing criteria as appropriate. It was stressed that AcSIR will only provide the minimum eligibility criteria for admission to different programs of the Academy. The labs will have to modify their admission criteria depending on the subject area.

**Item No. 23 and 24:** The Senate was informed that the Statutes and Ordinances of the Academy have been almost formalized and are ready to be forwarded to the BoG for formal approval. The Senate recommended and authorized the Senate Chairman to make modifications in both the documents, if necessary, and approve the Statutes and Ordinances on behalf of the Senate and forward those to the Board of Governors for its formal approval at its next meeting.

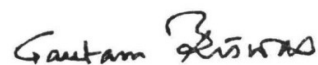
**Item No. 25:** The Senate also discussed in details the Faculty Guidelines to be adopted by AcSIR for recognition of faculty of AcSIR. The Senate recommended that a Sub-Committee under the Chairmanship of Prof. Kunal Ray, Associate Director, with Dr. Shantanu Sengupta, Prof. Pijush Pal Roy, Prof. Partha Banerjee and Prof. Javed Agrewala as its members review the Guidelines in details and submit a report to the Senate Chairman within a reasonable time.

**Item No. 26:** The Senate approved the proposal that a Senate Committee be formed for evaluation and recommendation received from various sources for inclusion of non-CSIR academicians as faculty of AcSIR in various honorary and other capacities. The committee comprising of the Director, Associate Director (Academic) and all the Deans (or Associate Deans representing the Dean in his absence) of the faculty will evaluate the merit of each case and forward its recommendation to the Senate for consideration.

After completing all the items on the agenda the Vice Chairman of the Board of Governors, AcSIR and Director General, CSIR was invited to the meeting. He announced that Prof. Gautam Biswas, Acting Director of AcSIR and Director, CSIR-CMERI will be taking over charge as Director IIT, Guwahati shortly. The Vice Chairman and the members of the Senate applauded the achievement of Prof. Biswas and acknowledged his enormous contribution during the formative years of the Academy, his contribution in formulating the academic coursework and his overall guidance in shaping the academic and administrative processes of the Academy to set its pace on a promising start towards greater heights.

Prof. Biswas thanked the Chairman, Vice Chairman, members of the Board and the Senate for their overall guidance and continuous help and to all those who are associated with the Academy in various capacities for their contribution to attain the current status.

The meeting ended with a vote of thanks to the Chair.



Chairman Senate, AcSIR  
August 12, 2013