

**The 57<sup>th</sup> Meeting of the School Board of the School of Sciences was held on 3<sup>rd</sup> November, 2016 at 10.30 a.m. in the Conference Room of Block D, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068.**

The following members were present:

1. Prof. M.S. Nathawat, Director (SOS), Chairman
2. Prof. Rajender Parsad, Indian Agricultural Statistics Research Institute , Delhi
3. Prof. Seemi Farhat Basir, Jamia Millia Islamis
4. Prof. Kapil Kumar, SOSS, IGNOU
5. Prof. Deeksha Kapur, SOCE, IGNOU
6. Dr. Nehal A. Farooquee, SOCE, IGNOU
7. Dr. Gaurav Singh, SOE, IGNOU
8. Prof. B.S. Saraswat, SOS, IGNOU
9. Prof. Vijayshri, SOS, IGNOU
10. Prof. Poornima Mital, SOS, IGNOU
11. Prof. Sujatha Varma, SOS, IGNOU
12. Prof. Geeta Kaicker, SOS, IGNOU
13. Prof. Javed A. Farooqi, SOS, IGNOU
14. Prof. Amrita Nigam, SOS, IGNOU
15. Prof. Lalita S. Kumar, SOS, IGNOU
16. Dr. Sanjiv kumar, SOS, IGNOU
17. Dr. Bano Saidullah, SOS, IGNOU
18. Dr. Deepika, SOS, IGNOU
19. Dr. S. Lamba, SOS, IGNOU
20. Dr. Neha Garg, SOS, IGNOU
21. Dr. K. Nageswara Rao, IGNOU

Dr. Venkatraman, Dr. Pervesh Babber, Dr. Kakoli Gogoi and Dr. M. Prashant were invited as special invitee.

Prof. S. Kumaresan, Prof. R.P. Tandon, Prof. H.B. Srivastava, Prof. Parvin Sinclair, Prof. Sunita Malhotra, Prof. Jaswant Sokhi, Prof. B.I. Fozdar, Prof. Neera Kapoor, Prof. S.R. Jha, Prof. Shubha Gokhale , Dr. Omkar Verma , Dr. Maneesha Pandey could not attend the meeting.

At the outset, the Chairman welcomed the members of the School Board and placed on record the School Board's appreciation for the contributions made by the outgoing members of the Board, namely Prof. Kaustava Barik, Prof. T.K. Jena, Prof. Madhu Parhar, Dr. Manoj Kulshrestha, Dr. S. Venkataraman, Dr. Kamalika Banerjee, Dr. Vijay Kumar Baraik, Dr. Sanjay Gupta, Dr. Seema Kalra, Dr. Kakoli Gogoi, and Mr. Prabhat Kumar Sangal in enriching the

deliberations of the Board. The Chairman also welcomed the new members of the School Board present in the meeting, namely, Prof. Kapil Kumar, Prof. Deeksha Kapur, Dr. Nehal A. Farooquee, Dr. Gaurav Singh, Dr. Sanjiv Kumar, Dr. Bano Saidullah, Dr. Deepika, Dr. S. Lamba, Dr. Neha Garg and Dr. K. Nageswara Rao. Thereafter the following items on the agenda were deliberated upon:

**Item No. 1: To confirm the minutes of the 56<sup>th</sup> meeting of the School Board of the School of Sciences held on May 20, 2016 and to note the action taken thereon.**

SB 57 1.1. The minutes of the 56<sup>th</sup> School Board of the School of Sciences held on 20<sup>th</sup> May, 2016 were placed before the Board for confirmation. It was suggested by Prof. Kapil Kumar that the confidentiality should be maintained in the proposed list of the examiners for Ph.D. scholars. It was also advised that the approved list of examiners should not be circulated as a part of the Minutes but be forwarded confidentially to the Research Unit after information of the Vice-Chancellor. In the ATR, Prof. Vijayshri informed that at Sl. No. 13 and 15, the Phase-1 form may be forwarded to P&DD also.

SB57.1.2 After detailed deliberations, the Minutes of the 56<sup>th</sup> meeting of the School Board of the School of Sciences held on 20<sup>th</sup> May, 2016 were confirmed and the Action Taken Report was noted by the Board members and the same are placed at **Annexure 1 and 2**, respectively.

**Item No. 2: Matters arising out of the Minutes of 56<sup>th</sup> Meeting of the School Board.**

SB 57.2.1 The School Board was informed that as per its decision vide SB 56.7.2, MCA was missed and the same may be recorded as "Remuneration/Honorarium to the Academic Counsellors and Examiners, etc. should be paid as per the norms of the computer based programmes such as BCA/MCA."

SB 57.2.2 **The School Board considered the point raised by Geology faculty and approved the incorporation of MCA in the guidelines for payment norms related to conducting the practical examination and other issues related to student support of the Post Graduate Certificate in Geoinformatics (PGCGI) programme.**

**Item No. 3: To confirm the Minutes of the 17<sup>th</sup> meeting of the Standing Committee of School Board of School of Sciences held on 30.09.2016.**

SB 57 3.1 The Minutes of the 17<sup>th</sup> meetings of the Standing Committee of the School Board held on 30<sup>th</sup> September, 2016 were placed before the Board for confirmation.

SB 57.3.2 The comments received from Prof. Parvin Sinclair was read out to the Board and the School Board members suggested that the decisions taken under Item no. SBSC 17.2.1, the name of Prof. Pushplata Tripathi should be recorded as an external member of the Moderation Board for Life Sciences courses of B.Sc. and Diploma in Aquaculture (DAQ). **It was also suggested by the members that in the minutes of 17<sup>th</sup> SBSC, the “approved” word should be replaced as “recommended” in the records.**

SB 57.3.3 **The Minutes of the 17<sup>th</sup> meeting of the School Board Standing Committee were confirmed with above minor modifications and is placed at Annexure – 3.**

**Item No. 4: To consider and approve the names of Paper Setters and Evaluators for the Ph.D. Entrance Examination for Ph.D. Programme of Bio-Chemistry.**

SB 57 4.1 **The names of Paper Setters and Evaluators for the Ph.D. Entrance Examination for Ph.D. Programme of Bio-Chemistry were placed before the School Board. The School Board pointed out that the name of Paper Setters and Evaluators for Ph.D. Entrance Examination for Ph.D. Programmes of Bio-Chemistry are not in proper format. It was suggested that the Bio-Chemistry Discipline Group prepared and re-submit the revised names in proper format and separately course-wise also to the Chairman of the School Board of School of Sciences.**

SB 57.4.2 After detailed deliberations, the School Board **were** approved the name of Paper Setters and Evaluators for the Ph.D. Entrance Examination for Ph.D. Programme of Bio-Chemistry and **authorized Chairman of the SB to accept the revised corrected lists and include in the minutes. The revised lists of paper setters , moderators and evaluators are placed at Annexure – 4.**

**Item No. 5: To consider and approve the names of Paper Setters, Evaluators and Moderators for the pre-Ph.D. course work for the Ph.D. Programme of Bio-Chemistry.**

SB 57 5.1 The names of Paper Setters, Evaluators and Moderators for the Ph.D. Course Work or Ph.D. Programme of Bio-Chemistry were placed before the School Board. The School Board pointed out that the name of Paper Setters and Evaluators for Ph.D. Entrance Examination for Ph.D. Programmes of Bio-Chemistry are not in proper format. It was suggested that the Bio-Chemistry Discipline Group prepared and re-submit the revised names in proper format and separately course-wise to the Chairman of the School Board of the School of Sciences.

SB 57.5.2 After detailed deliberations, the School Board **were** approved the name of Paper Setters and Evaluators for the Ph.D. Entrance Examination for Ph.D. Programme of Bio-Chemistry and **authorized Chairman of the SB to accept the revised corrected lists and include in the minutes. The revised lists of paper setters , moderators and evaluators** are placed at **Annexure – 5.**

**Item No. 6: To consider and approve the names of Course Unit writers and Editors for the B.Sc. (Hons.) Programme of Bio-Chemistry as per UGC-CBCS guidelines.**

SB 57 6.1 The names of Course Unit Writers and Editors for the B.Sc. (Hons.) Programme of Bio-Chemistry as per the UGC-CBCS guidelines were placed before the School Board. Prof. Kapil Kumar and Prof. Vijayshri pointed out that the work of the Course Writers and Editors should be in a time bound format.

The School Board also suggested that the Bio-Chemistry Discipline Group re-submit the revised List of Course Unit Writers and Editors names in a proper format to the Chairman of the School Board of the School of Sciences.

SB 57.6.2 After detailed deliberations, the School Board approved the name of Paper Setters and Evaluators for the Ph.D. Entrance Examination for Ph.D. Programme of Bio-Chemistry and **authorized Chairman of the SB to accept the revised corrected lists and include in the minutes. The revised lists of paper setters , moderators and evaluators** for the B.Sc. (Hons.) Programme of Bio-Chemistry as per the UGC-CBCS guidelines with the above suggestions are placed at **Annexure – 5.**

**Item No.7: To consider and approve the CV of Dr. Arvind Kumar Shakya, Assistant Professor in Bio-Chemistry as a Research Supervisor.**

SB 57.7.1 The CV of Dr. Arvind Kumar Shakya, Assistant Professor in Bio-Chemistry is placed before the School Board for consideration and approval his name as a Research Supervisor after completion of five years experience of Post – Ph.D.

SB 57.7.2 **After the detailed discussion the School Board approved the CV of the Dr. Arvind Kumar Shakya, Assistant Professor in Bio-Chemistry as a Research Supervisor, the CV of Dr. Arvind Kumar Shakya is placed at Annexure – 7.**

**Item No. 8: To consider and approve the minutes of meeting of Doctoral Committee to review the progress reports of Ph.D research Scholars registered in the Biochemistry Discipline.**

SB 57.8.1 The Minutes of the meeting of Doctoral Committee of Bio-Chemistry held on 29<sup>th</sup> September, 2016 were placed before the School Board.

SB 57.8.2 The Minutes of the meeting of Doctoral Committee of Bio-Chemistry were approved by the School Board of the School of Sciences and are placed at **Annexure – 8.**

**Item No. 9: To consider and approve the list of examiners for the Ph.D. thesis of Mr. Chander Mohan, student of Ph.D. Chemistry under the joint supervision of Prof. Bharat Inder Fozdar and Dr. Navneet Saxena.**

SB 57.9.1 For the sake of confidentiality, the list of examiners of the Ph.D. thesis of Mr. Chander Mohan, Ph.D. student (Enrolment No. 118701623) registered under the joint supervision of Prof. Bharat Inder Fozdar and Dr. Navnet Saxena on the topic **“Identification of active ingredients against GI parasites in extract of indigenously known herbs”** was read out for the approval of the School Board. The details of the student are as under:

**Details of Mr. Chander Mohan:**

1. Enrolment No. : **118701623**

2. Date of Registration: 27<sup>th</sup> Feb. 2012 (July 2011 Cycle)
3. Topic : Identification of active ingredients against GI parasites in extract of indigenously known herbs.
4. Supervisor(s) :
  1. Prof. Bharat Inder Fozdar (Internal Supervisor)
  2. Dr. Navneet Saxena (External Supervisor)  
Sr. Scientist (Organic Chemistry), Toxicology Laboratory, Central Institute of Research on Buffaloes, Sirsa Road Hisar (Haryana)
5. Date of Pre-Ph.D. thesis submission seminar before Doctoral Committee :  
31.08.2016
6. Publication : Two
  1. 'in vitro Evaluation of Few Indigenously known Herbal Plants for their Anthelmintic Property' Chander Mohan<sup>1</sup>, N.Saxena<sup>1</sup>, B.I. Fozdar, Rajender Kumar, M.L. Sharma<sup>1</sup>, V. Mudgal<sup>1</sup>, Avijit Dey<sup>1</sup> and B.S. Punia<sup>1</sup>, *Asian Journal of Chemistry*; Vol. 28, No. 5 (2016), 1001-1003.
  2. 'Activity of Indigenously Known Angiospermic Plants Against Common Gi Parasites of Livestock' Chander Mohan, Navnet Saxena and Bharat Inder Fozdar, *World Journal of Pharmacy And Pharmaceutical Sciences*, Volume 4, Issue 09, 1652-1667.

SB 57.9.2 While considering the item, it was recommended that care should be taken that the names of Experts who have been associated with the Discipline Group as members of Doctoral Committee or as Experts to review of progress of the student are not included in the panel of thesis examiners.

SB 579.3 The School Board adopted the recommendation SB 57.9.2 while approving the proposed list of examiners. It also advised that the approved list of examiners should not be circulated as a part of the Minutes but be forwarded confidentially to the Research Unit.

**Item No. 10: To consider and approve the Bio-Data of Dr. Satya Raj, Dr. K. Nageswara Rao and Dr. V. Warpa (Assistant Professors) as Ph.D. Research Supervisors from the Discipline of Geography.**

SB 57.10.1 The Bio-Data of Dr. Satya Raj, Dr. K. Nageswara Rao and Dr. V. Warpa (Assistant Professors) from Discipline of Geography are placed before the School Board

for consideration and approval the names as a Research Supervisors after completion of five years experience of Post –Ph.D.

SB 57.10.2 After the detailed deliberations, the School Board were approved the Bio-Data of Dr. Satya Raj, Dr. K. Nageswara Rao and Dr. V. Warpa (Assistant Professors) from Discipline of Geography as a Research Supervisor, the approved Bio-Data's are placed at **Annexure – 10a, 10b and 10c.**

**Item No. 11: To consider and approve the list of experts for Course Design Committee of B.Sc. Geography (General) for two courses titled “Field Survey Methods” and “Techniques in Regional Development Planning” under UGC-CBCS guidelines from Discipline of Geography.**

SB 57.11.1 The list of experts for Course Design Committee of B.Sc. Geography (General) for two courses titled “Field Survey Methods” and Techniques in Regional Development Planning” under UGC-CBCS guidelines from Discipline of Geography of School of Sciences to facilitate the launch of B.Sc. General Programme with Geography as One Subject as per UGC-CBCS guidelines were placed before the School Board for consideration and approval.

SB 57 11.2 After the detailed deliberations, the list of experts for Course Design Committee of B.Sc. Geography (General) for above said two courses of Geography under UGC-CBCS (**Annexure – 11a & 11b**), the School Board approved the list with the suggestion that the names of internal faculty members may also be included in the list.

**Item No. 12: To consider and approve the Phase 1 form for the M. Phil Programme in Chemistry, revised in the light of UGC Regulations, 2016.**

SB 57.12.1 The Phase 1 form of the M.Phil Programme in Chemistry was resubmitted before the School Board of the School of Sciences for consideration and approval. The School Board members were pointed-out that the Phase-1 form is not in a proper format. The Board members suggested that all statutory provision may be completed by March, 2017 and then launching date should be July, 2017.

SB. 57.12.2 With these recommendations, the Phase 1 form was approved by the School Board and advised that the Phase 1 form may be re-submitted in a proper

format to the Chairman of the School Board of the School of Sciences, placed at **Annexure -12.**

**Item no. 13: To consider and approve the Phase 1 Form for M.Phil. Programme in Geography.**

SB 57.13.1 The Phase 1 form for M.Phil. Programme in Geography was placed before the School Board of School of Sciences for consideration and approval.

SB 57.13.2 After briefing by the Geography Faculty members, the Phase-1 for M.Phil. Programme in Geography was approved by the School Board is placed at **Annexure-13.**

**Item no. 14: To consider and approve the list of additional translators from Discipline of Geography.**

SB 57.14.1 The list of additional translators from Discipline of Geography was placed before the School Board and the same was approved, is placed at **Annexure - 14.**

**Item No. 15: To consider and approve list of additional examiners for the Lab course (MGYL-004) of the Post Graduate Certificate in Geoinformatics (PGCGI) Programme.**

SB 57.15.1 The list of additional examiners for the Lab course (MGYL-004) of the Post Graduate Certificate in Geoinformatics (PGCGI) Programme from Discipline of Geology was placed before the School Board and the same was approved, is placed at **Annexure - 15.**

**Item No. 16: To consider and approve list of additional Hindi Translators for all B.Sc. courses in Geology.**

SB 57.16.1 The list of additional Hindi Translators for all B.Sc. courses in Geology was placed before the School Board and the same was approved, is placed at **Annexure - 16.**

**Item No. 17: To consider and approve the Minutes of the 19<sup>th</sup> , 20<sup>th</sup> and 21<sup>st</sup> meetings of the Doctoral Committee in Geology to be held in 15<sup>th</sup> and 26<sup>th</sup> September, 2016, respectively and 5<sup>th</sup> October, 2016 to review the six monthly progress of the registered candidates in Ph.D. Geology Programme and re-examined**

**the syllabi and evaluation methodology of course work of Ph.D. Geology programme.**

SB 57.17.1 The Minutes of the 19<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup> meetings of the Doctoral Committee in Geology to be held in 15<sup>th</sup> and 26<sup>th</sup> September, 2016, respectively and 5<sup>th</sup> October, 2016 to review the six monthly progress of the registered candidates in Ph.D. Geology Programme and re-examined the syllabi and evaluation methodology of course work of Ph.D. Geology programme were placed before the School Board for consideration and approval. The Board members suggested that the evaluation methodology for the entrance test should be modified in the course credits. The members recommended that the course credits should be with 12 credits or 16 credits.

SB.57.17.2 With these recommendations, the minutes and re-examined syllabi and evaluation methodology was approved by the School Board, placed at **Annexure -17.**

**Item No. 18: To consider and approve guidelines for empanelment of Academic Counsellors for B.Sc. Life Sciences courses.**

SB 57.18.1 The guidelines for empanelment of Academic Counsellors for B.Sc. Life Sciences courses is placed before the School Board. The School Board members suggested that anyone who has been appointed as an Assistant Professor in Universities/Colleges may be considered for appointment of Academic Counsellors for B.Sc. Life Sciences Courses.

SB 57.18.2 After the detailed deliberations, the School Board approved that *“all the teachers who are working as Assistant Professor/Associate Professor/Professor in Universities/Colleges would be eligible for empanelment as Academic Counsellors for Life Sciences Courses of IGNOU”*. The School Board also recommended that the approval of the guidelines can be followed by the other discipline also.

**Item No. 19: To consider and approve the Examiners for thesis of Padamshree Kulkarni (Enrl. No. 122878065), Vivek Kumar Srivastava (Enrl. No. 12277830), Ashish Shukla (Enrl. 122877776), Nongthombam Premananda Singh (Enrl. No. 122877910), Pushpa Reddy R. (Enrl. No. 122877816), Chetan Malik (Enrl. No. 131637442), Sunil Kumar Vishwakarma (Enrl. No. 122877809), R. Prasanna Srinivas (Enrl. No. 112247158) Ph.D. scholars in Life Sciences.**

SB 57.19.1 For the sake of confidentiality, the Examiners for thesis of Padamshree Kulkarni (Enrl. No. 122878065), Vivek Kumar Srivastava (Enrl. No. 12277830), Ashish Shukla (Enrl. 122877776), Nongthombam Premananda Singh (Enrl. No. 122877910), Pushpa Reddy R. (Enrl. No. 122877816), Chetan Malik (Enrl. No. 131637442), Sunil Kumar Vishwakarma (Enrl. No. 122877809), R. Prasanna Srinivas (Enrl. No. 112247158) Ph.D. scholars in Life Sciences were read out for the approval of the School Board. The details of the student are as under:

**1. Details of Padamshree Kulkarni :**

Enrolment No. : **122878065**

Date of Registration : **January, 2012**

Topic : ***Antimicrobial properties of coelomic fluid of earthworms on some human pathogens***

Supervisor(s) : **Prof. Geeta Kaicker (Internal) and  
Dr. Radha Kale, Dept. of Life Science (PG), Mount  
Carmel College, Bangaluru.**

Date of Pre-Ph.D thesis submission seminar before Doctoral Committee : **23.06.2016**

Publications : **Two**

1. Kulkarni P, Kaicker G and Kale R. Coelomic fluid of earthworm (*Eudrilus eugenieae*) as antibacterial agent against *Vibrio alginolyticus* and *Staphylococcus hominis* *Indian J of Applied Research*. 2014; 4 (12) , ISSN – 2249-555X.
2. Kulkarni P, Kale R, Kaicker G., Coelomic Fluid of Earthworm in Suppression of Bacterial Pathogens. *Am. J. Pharm Health Res* 2016; 4(7)

**2. Details of Mr. Vivek Kumar Srivastava :**

Enrolment No. : **12277830**

Date of Registration : **January, 2012**

Topic : ***Testing of anti-tubercular activity of some medicinal plants : in-vivo testing In murine model of tuberculosis.***

Supervisor(s) : **Prof. Pushplata Tripathi (Internal Supervisor)  
and  
Dr. U.D. Gupta, Scientist-F, National JALMA Institute  
of Leprosy & Other Mycobacterial Diseases,**

Tajganj, Agra (U.P.) (External Supervisor)

Date of Pre-Ph.D thesis submission seminar before Doctoral Committee : **23.08.2016**

1. Vivek Kumar Srivastava, U.D. Gupta, Pushplata Tripathi (2013), Testing of Anti-Mycobacterial Activity of *Ocimum tenuiflorum*, *Phyllanthus emblica*, *Adhatoda vasica*, *Aloe vera* using *Mycobacterium smegmatis*, Indian Res. J. Genet. & Biotech. 5(4) : 291-297.
2. Vivek Kumar Srivastava, U.D. Gupta, Pushplata Tripathi, Potentiality of anti-mycobacterium (anti-ubercular) activity of *Ocimum tenuiflorum*, *Justicia adhatoda*, *Aloe vera*, *Phyllanthus emblica*, *Pipper longum*, *Glycyrrhiza uralensis*, *Allium sativum*, *Zingiber officinal* & *Curcuma longa* against *M. Tuberculosis*, Indian Res. J. Genet. & Biotech 7(3) : 350-354 (2015).
3. Vivek Kumar Srivastava, U.D. Gupta, Pushplata Tripathi (2014), Testing of anti-mycobacterial activity & phytochemical profiling of *Glycyrrhiza uralensis*, *Pipper longum*, *Allium sativum*, *Zingiber officinale*, *Curcuma longa* against *Mycobacterium smegmatis*, PHARMACIA Vol.-02, Issue – 2 Year Dec. 2004.

3. **Details of Mr. Ashish Shukla :**

Enrolment No. : **122877776**

Date of Registration : **January, 2012**

Topic : ***Studies on fermentative production of B-galactosidase using dairy waste and its purification and characterization.***

Supervisor(s) : **Prof. Pushplata Tripathi (Internal) and Dr. K.P. Mishra, Head, Biochemistry, S.N. Medical College, Agra, U.P.**

Date of Pre-Ph.D thesis submission seminar before Doctoral Committee : **23.08.2016**

Publications : **Three**

1. Ashish Shukla, K.P. Mishra and Pushplata Tripathi (2013),  $\beta$ -galactosidase" A Novel Enzyme For Treating Dairy Waste "An Environment Friendly Approach": A Review, Indian Res. J.Genet. & Biotech . 5(3) : 151-159.
2. Ashish Shukla, K.P. Mishra and Pushplata Tripathi (2014), Microbial production of  $\beta$ -galactosidase" by submerged fermentation using diary waste from *klugyeromyces marxianus* (ncim), Indian Res. J.Genet. & Biotech . 6(1) : 308-318.
3. Shukla Ashish, Mishra Kamalapati, Tripathi Pushplata, Optimization of incubation time, R.P. M. inducer, inhibitor & immobilization activity for  $\beta$ -galactosidase

production using isolated and mutated strains from dairy waste through fermentation, PHARMACIA Vol.-02, Issue – 2 Year Dec. 2014.

**4. Details of Mr. Nongthombam Premananda Singh :**

Enrolment No. : **122877910**

Date of Registration : **August, 2012 (January cycle, 2012)**

Topic : ***Fish Diversity and Biology of Indigenous Food Fishes of Senapati District of Manipur, India.***

Supervisor(s) : **Dr. Bano Saidullah (Internal)  
and  
Dr. L. Kosygin Singh Scientist 'D'  
Zoological Survey of India, Kolkata.**

Date of Pre-Ph.D thesis submission seminar before Doctoral Committee : **To be decided**

Publications : **One**

1. Nongthombam Premananda\*, Laishram Kosygin\*\* and Bano Saidullah\*\*\* (2015) Glyptothorax senapatiensis, a new species of catfish (Teleostei : Sisoridae) from Manipur, India, Ichthyol. Explor. Freshwaters, Vol. 25, No. 4, pp. 323-329, 4 fig., 1 tab., March 2015 (c) 2015 by Verlag Dr. Friedrich Pfeil, Munchen, Germany – ISSN 0936-9902.

**5. Details of Ms. Pushpa reddy R.**

Enrolment No. : **122877816**

Date of Registration : **January cycle, 2012**

Topic : ***antioxidant and anticancer potential of coelomic fluids and pastes of common earthworms Perionyx excavatus, Eudrilus eugeniae and Eisenia fetida.***

Supervisor(s) : **Dr. Bano Saidullah (Internal)  
and  
Dr. R. Senthil Kumar, HOD, Dept. of Biotechnology,  
Indian Academy Centre for Research & P.G. Studies  
Hennur Cross, Hennur Main Road, Kalyan Ngr.  
Bangalore.**

Date of Pre-Ph.D thesis submission seminar before Doctoral Committee : **To be decided**

Publications : One

1. Pushpa Reddy<sup>1</sup>, Senthil Kumar R<sup>2</sup> and Bano Saidullah<sup>3</sup> (2015), Invitro anticancer potential of the earthworm pastes of *Eudrilus eugeniae*, *Perionyx excavates* and *Eisenia fetida* against MCF 7 HCT 116 and PC 3 cancer cell lines, International Journal of Recent Scientific Research Vol. 6, Issue, 7, pp. 5076-5080, July , 2015.

**6. Details of Mr. Chetan Malik :**

Enrolment No. : **131637442**

Date of Registration : **January cycle, 2013**

Topic : ***Biophysical and Electrophysiological studies on native and synthetic ion channels.***

Supervisor(s) : **Prof. S.S. Hasan (Internal (now retired from IGNOU) and Prof. Subhendu Ghosh Department of Biophysics, University of Delhi.**

Date of Pre-Ph.D thesis submission seminar before Doctoral Committee : **To be fixed**

Publications : One

1. 56 peptide derived from KvAP channel shows marked differences in secondary structure after mutation – a computational approach. Int. J. of Life Sciences, 2016 Vol. 4 (2) 1-8.

**7. Details of Mr. Sunil Kumar Vishwakarma :**

Enrolment No. : **122877809**

Date of Registration : **January, 2012**

Topic : **Molecular diagnosis, Epidemiology and Pathogenesis of *pokkah boeng* disease of sugarcane caused by *Fusarium moniliforme* sheld. in Central Uttar Pradesh.**

Supervisor(s) : **Prof. Amrita Nigam (Internal Supervisor) and Dr. Atul Singh (External Supervisor) Joint Director, Sugarcane Research Institute (UPCSR) Shahjahanpur (U.P.)**

Publications : **Two**

1. Molecular Phylogenetic Analysis of Fusarium Isolates Causing Pokkah boeng Disease in Sugarcane Based on Rapad Marker.
2. In-Vitro Efficacy of Different Fungicides Against Fusarium Spp. Associated with Pokkah Boeng Disease of Sugarcane.

**8. Details of Mr. R. Prasanna Srinivas :**

Enrolment No. : **112247158**

Date of Registration : **January, 2011**

Topic : ***“Characterization and growth enhancing properties of rhizosphere and endophytic fungi of medicinal plants.”***

Supervisor(s) : **Prof. Amrita Nigam (Internal Supervisor) and  
Dr. Aruna J (External Supervisor)  
Indian Academy Degree College, Centre for  
Research and PG Studies, Hennur Cross,  
Kalyannagar, Bangalore.**

Publications : **Two**

1. Antimicrobial Activity in Cultures of Endophytic Fungi Isolated in Some Medicinal Plant Species.
2. An Investigation of Biodiversity of Endophytic Fungi Associated with Some Medicinal Plants.

SB 57.19.2 While considering the item, it was recommended that care should be taken that the names of Examiners of the thesis who is from same institution should not be included in the panel of thesis examiners and the area of specialization of the experts should be mentioned.

SB 57.19.3 The School Board adopted the recommendation SB 57.19.2 while approving the proposed list of examiners. It also advised that the approved list of examiners should not be circulated as a part of the Minutes but be forwarded confidentially to the Research Unit.

**Item No. 20: To report the VC's approval of the list of experts for finalizing the design of all the mathematics courses in the Bachelor Degree programmes under UGC-CBCS.**

SB 57.20.1 The list of experts for finalizing the design of all the mathematics courses in the Bachelor Degree programmes under UGC-CBCS was placed before the School Board. The comments received from Prof. Vijayshri that the following changes should be incorporated in the list:

- i) The list of 9 Experts Committee for designing Mathematics courses should be prepared for the 9 courses separately with their specialization.
- ii) The should be specified that theses lists are for B.Sc. (General) or B.Sc. (H).
- iii) As per the grouping made for each courses the name for Expert Committee should be submitted to the School Board.

It was suggested that the Mathematics Discipline Group prepared as suggested by the School Board and re-submit the lists of Experts separately course-wise to the Chairman of the School Board of School of Sciences.

Keeping in view, as per the requirement of the UGC-CBCS, the course wise a general approval may be taken by the Vice-Chancellor which is subsequently will be placed to the next School Board after examining the documents submitted by Mathematics Discipline Group. Since separate groups has prepared the syllabus structure for the Experts Committee namely for each courses as per the group distribution of courses.

SB 57.20.2 **After the detailed deliberations, the School Board were approved the list of Experts for Designing Mathematics course in the UGC-CBCS UG programme, placed at Annexure – 19.**

**Item No. 21: To consider and approve the minutes of the meeting of experts for finalizing the design of all the courses to be offered in the Mathematics stream of the B.Sc.**

SB 57.21.1 The minutes of the meeting of experts for finalizing the design of all the courses to be offered in the Mathematics stream of the B.Sc were placed before the School Board. The comments received from Prof. Vijayshri that it is not clear that the lectures for each course are 75 or 90. The designing of the

courses must be reviewed. It was suggested that the No. of Units, Title of the courses, Curriculum of the course – unit wise, Course / Lecture writer for per unit, No. of lectures and their hours should be clearly placed before the School Board.

SB 57.21.2 **After the detailed deliberations, the agenda item was referred back with suggestions that it is to be placed before the next School Board with above modifications.**

**Item No. 22: To consider and approve the Phase-Zero form for the course “Coding Theory” (MMTE-005) of the M.Sc. (MACS) programme.**

SB 57.22.1 The Phase-Zero form for the course “Coding Theory” (MMTE-005) of the M.Sc. (MACS) programme was placed before the School Board. It was suggested by the members that the 3 credits for Theory courses and 1 credit for Practical should be categorized and re-submitted to the Chairman of the School Board.

SB 57.22.2 After recommendation of these changes, the School Board was approved the Phase-Zero form for the course “Coding Theory” (MMTE-005) of the M.Sc. (MACS) programme, placed at **Annexure – 20**.

**Item No. 23: To consider and approve the course writers for the course “Coding Theory” (MMTE-005) of the M.Sc. (MACS) programme.**

SB 57.23.1 The course writers for the course “Coding Theory” (MMTE-005) of the M.Sc. (MACS) programme was placed before the School Board and the same was approved, is placed at **Annexure - 21**.

**Item No. 24: To consider and approve a project evaluator from Delhi region for the project course MMTP-001 of the M.Sc. (MACS) programme.**

SB 57.24.1 The project evaluator from Delhi region for the project course MMTP-001 of the M.Sc. (MACS) programme was placed before the School Board and the same was approved, is placed at **Annexure - 22**.

**Item No. 25: To consider and approve the name of the editor of the 2<sup>nd</sup> semester course, “Differential Equations” of the UGC-CBCS undergraduate programme.**

SB 57.25.1 The name of the editor of the 2<sup>nd</sup> semester course, “Differential Equations” of the UGC-CBCS undergraduate programme was placed before the School Board and the same was approved, is placed at **Annexure - 23**.

**Item No. 26: To consider and approve the name of the editor for the 1<sup>st</sup> semester course “Calculus” of the UGC-CBCS undergraduate programme.**

SB 57.26.1 The name of the editor for the 1<sup>st</sup> semester course “Calculus” of the UGC-CBCS undergraduate programme was placed before the School Board and the same was approved, is placed at **Annexure - 24**.

**Item No. 27: To consider and approve the name of the editor for the course “Complex Analysis” (MMT-005) of the M.Sc. (MACS) programme.**

SB 57.27.1 The name of the editor for the course “Complex Analysis” (MMT-005) of the M.Sc. (MACS) programme was placed before the School Board and the same was approved, is placed at **Annexure - 25**.

**Item No. 28: To consider and approve the guidelines for approval of Academics of IGNOU as Counsellor for PGDESD programme.**

SB 57.28.1 The guidelines for approval of Academics of IGNOU as Counsellor for PGDESD programme programme was placed before the School Board. The Board members were of the opinion that since the Regional Director and DRD's/ARD's are already have defined workloads and it will be difficult for them to do such additional load hence recommend that RD's/DRD's and ARD's should not be overburdened with counseling related load.

**Item no. 29: Any other item with the permission of the Chair.**

(i) To consider and approve the examiners for the Ph.D. thesis of Ms. Sonia Tyagi (Enrol. No. 118701694) and Mohd. Ashraf (Enrol. No. 11247101) students of Ph.D. Chemistry Programm under the supervision of Prof. Javed A. Farooqi.

SB 57.29(i).1 For the sake of confidentiality, the examiners for Ph.D. thesis of Ms. Sonia Tyagi (Enrol. No. 118701694) and Mohd. Ashraf (Enrol. No. 11247101) students of Ph.D. Chemistry Programm under the supervision of Prof. Javed A. Farooqi were were read out for the approval of the School Board. The details of the student are as under.

SB 57.29(i)2 While considering the item, it was recommended that care should be taken that the names of Examiners of the thesis who is from same institution should not be included in the panel of thesis examiners and the area of specialization of the experts should be mentioned.

SB 57.29(i)3 The School Board adopted the recommendation SB 57.29(i)2 while approving the proposed list of examiners. It also advised that the approved list of examiners should not be circulated as a part of the Minutes but be forwarded confidentially to the Research Unit.

**1. Details of Ms. Sonia Tyagi :**

Enrolment No. : **118701694**

Date of Registration : **February, 2012 (July cycle , 2011)**

Topic : ***“Synthesis and characterization of curcumin-doped silica nanoparticles and their anti-cancer study in-vitro and in-vivo”.***

Supervisor(s) : Prof. Javed A. Farooqi (Internal Supervisor)  
and

**2. Details of Mr. Mohd. Ashraf:**

Enrolment No. : **11247101**

Date of Registration : **February, 2012 (July cycle , 2011)**

Topic : ***“Synthesis and characterization of nanoparticles containing Amphotericin B”***

Supervisor(s) : **Prof. Javed A. Farooqi (Internal Supervisor)  
and  
Prof. Kalim Javed (External Supervisor)**

(ii) To consider and approve the revised Phase-1 form for B.Sc. (General) under UGC-CBCS.

SB 57.29(ii).1 The Phase-1 form for B.Sc. (General) under UGC-CBCS was placed before the School Board. It was recommended that the Phase-1 form will be suggestive for Mathematics courses also.

SB 57.29(ii).1 After the detailed deliberations, the School Board were approved the Phase – 1 form for B.Sc. (General) under UGC-CBCS, placed at Annexure.....

(iii) To consider and approve the eligibility criteria of Post Graduate Diploma in Analytical Chemistry (PGDAC) Programme.

SB 57.29(iii).1 The School Board recommended the eligibility criteria Post Graduate Diploma in Analytical Chemistry (PGDAC) Programme from 'Science Graduates (including B. Pharma) with Chemistry as one of the subjects' to 'Science graduates with Chemistry or B. Pharma with Chemistry as one of the Subjects'.

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

  
(M.S. Nathawat)  
Chairperson  
प्रो. महेंद्र सिंह नाथवात  
निदेशक, विज्ञान विभाग, इग्नू  
Prof. Mahendra Singh Nathawat  
Director, SOS, IGNOU