

The meeting of School Board of School of Sciences was held on 30th January 2025 in the Conference Room of Raman Bhawan, School of Sciences at 11.00 am. The following members were present:

1.	Prof. Meenal Mishra	Director-SOS, Chairperson
2.	Prof. S.A. Hashmi	External Member
3.	Prof. Meena Sahai	External Member
4.	Prof. Debendra Kumar Nayak	External Member
5.	Prof. Rita Kakkar (Retd.)	External Member
6.	Dr. Akashay Kumar	Member (Other School- SOICS)
7.	Dr. Mita Sinhamahapatra	Member (Other School-SOA)
8.	Prof. Sunita Malhotra	Member
9.	Prof. Bharat Inder Fozdar	Member
10.	Prof. Neera Kapoor	Member
11.	Prof. S.R. Jha	Member
12.	Prof. Sanjiv Kumar	Member
13.	Prof. Lalita S. Kumar	Member
14.	Prof. Shubha Gokhale	Member
15.	Prof. Sanjay Gupta	Member
16.	Prof. Kamalika Banerjee	Member
17.	Prof. Subhakanta Mohapatra	Member
18.	Prof. Benidhar Deshmukh	Member
19.	Prof. Manish Trivedi	Member
20.	Prof. Deepika	Member
21.	Prof. Vijay Kumar Baraik	Member
22.	Prof. R. Baskar	Member
23.	Prof. Parvesh Bubber	Member
24.	Prof. Aryadeep Roy Choudhury	Member
25.	Prof. Subhalaxmi Lamba	Member
26.	Dr. Venkataraman	Member
27.	Dr. Ravi Rajwanshi	Member
28.	Dr. Seema Kalra	Member
29.	Dr. Omkar Verma	Member
30.	Dr. Krishna Kumar	Member
31.	Dr. M. Boazbou Newmai	Member
32.	Dr. Vishal Singh	Member

Prof. K.R. Hari, Pt. Ravishankar University, Raipur, Prof. Nita Mathur, SOSS, Prof. Nehal A. Farooquee, SOEDS, Prof. Sujatha Varma, SOS, Dr. Taruna Kumari, SOS could not attend the meeting.

Prof. Meenal Mishra, Director, SOS, and Chairperson of the School Board of the School of Sciences, began the meeting with a warm welcome to all the School Board members. She welcomed the nominated External Members under Clause 2 (e) of the Statute 10 A, namely Prof. S.A. Hashmi, University of Delhi, Delhi, Prof. Meena

Sahai, University of Lucknow, Lucknow, Prof. Debendra Kumar Nayak, NEHU, Shillong, and Prof. Rita Kakkar, Retired from University of Delhi, Delhi.

She further welcomed the newly nominated Faculty members from other Schools of IGNOU under Clause (2) (d) of the Statute 10A namely, Dr. Akashay Kumar, SOICS and Dr. Mita Sinhamahapatra, SOA. The Chairperson thankfully acknowledged the contributions of the outgoing External Members under Clause 2 (d) of the Statute 10 A, namely Prof. Rashmi Sinha, SOSS, Prof. PVK Sasidhar, SOEDS, Dr. Soniya, SOH and Dr. Mohd. Saleem, SOFL. The Chairperson extended a warm welcome to all the newly nominated internal members of School Board as per Clause (2) (c) of Statute 10A namely, Dr. S. Venkataraman, Dr. Ravi Rajwanshi, Dr. Seema Kalra, Dr. Omkar Verma, Dr. Krishna Kumar, Dr. M. Boazbou Newmai and Dr. Vishal Singh. She thankfully acknowledged the contributions of the outgoing internal Members from School of Sciences under Clause (2) (d) of the Statute 10A namely, Dr. Siyaram, Dr. Arvind Kumar, Dr.

Satyaraj, Dr. M. Prashanth, Dr. Pawan Kumar, Dr. M. Boazbou Newmai and Dr. Gajraj Singh.

Director, SOS apprised the School Board Members about the achievements made by the school since last School Board held on 25th September, 2024.

The Chairperson informed the Board that the Minutes of 77th Meeting of School Board of School of Sciences held on September, 2024 were circulated to all the members on 15th October 2024. The comments were incorporated and the final minutes were circulated on 21st October 2024.

With this introduction, the School Board transacted the following agenda:

Agenda No.	Sub Agenda	Agenda	Annexure
SB 78.1	Confirmation of the Minutes of 77th Meeting of School Board of School of Sciences held on 25th September 2024 and the Action Taken Report on the Minutes.		SB 78.1.1 SB 78.1.2
	Matter for Discussion	The Minutes of 77 th Meeting of School Board of School of Sciences held on 25 th September 2024 were circulated on 10 th October 2024 among the members of the School Board. The comments and suggestions received were incorporated and thereafter the final Minutes were circulated on 21 st October 2024. The Action Taken Report (ATR) on the Minutes of 77 th Meeting of School Board of School of Sciences held on 25 th September 2024.	
	Decision of SB	No comments were received. The School Board confirmed the Minutes of the 77 th School Board Meeting of School of Sciences along with the Action Taken Report (ATR) on the Minutes of the 77 th School Board Meeting of School of Sciences.	
SB 78.2	Matters arising out of the Minutes of 77th meeting of the School Board of School of Sciences		
	Matter for Discussion	Matters arising from the Minutes.	

	Decision of SB	No matter was reported.	
SB 78.3	To consider and recommend the selection of candidates for admission in Ph.D programmes in Biochemistry, Chemistry, Geography, Geology, Life Sciences, Mathematics, Physics and Statistics for July 2024 cycle.		SB 78.3.1 SB 78.3.2 SB 78.3.3 SB 78.3.4 SB 78.3.5 SB 78.3.6 SB 78.3.7 SB 78.3.8
	Matter for Discussion	The applications were invited from the eligible candidates for admission to Ph.D programme for July 2024 session. The last date for submission of online admission form was 25th November 2024. Admission to the Ph.D programme was based on the candidate's performance in UGC NET examination and the interviews of eligible candidates were conducted by the Ph.D Admission Committees for disciplines notified as per the norms. The selection procedure for admission to Ph.D programme was based on the candidate's performance in UGC NET examination and interview was conducted for Category A and Category B candidates. Category A comprising candidates who qualified UGC NET with Fellowship (with JRF), were called for the interview. The selection of Category A was based on interview only. Marks obtained by them in the interview carried 100% weightage. Category B included candidates who qualified UGC NET without fellowship during the year 2024, were called for the interview. The selection was based on merit of UGC NET score which carried a weightage of 70% and marks obtained in the interview carried 30% weightage, as per the parameters set for interview i.e. 40% in Research Methodology, 40% in Subject specific knowledge and 20% in Communication Skills. The interviews were conducted by the Admission Committees of respective disciplines. Further, the list of selected candidates recommended for admission to Ph.D programme July 2024 session was placed and approved in the Doctoral Research Committees of respective disciplines.	
	Decision of SB	The School Board of School of Sciences after deliberations considered the names of selected candidates for admission in the Ph.D programmes in Biochemistry, Chemistry, Geography, Geology, Life Sciences, Mathematics, Physics and Statistics of July 2024 cycle and recommended the same for the approval of the Research Council Standing	

		Committee/Research Council.	
SB 78.4	To consider and recommend list of paper setters and members of moderation board for the course Foundation Course in Science and Technology (FST-01).		SB 78.4.1 SB 78.4.2
	Matter for Discussion	The course coordinators proposed the list of the paper setters and members of moderation board for Foundation Course in Science and Technology (FST-01).	
	Decision of SB	The School Board of School of Sciences considered the list of paper setters and members of moderation board for Foundation Course in Science and Technology (FST-01) with the suggestion of addition of one member from each discipline of SOS. The names of faculty invited from all the disciplines were added and thereafter, agenda was recommended for the approval of the Competent Authority.	
SB 78.5	To consider and recommend list of expert committee members to revise the course: Foundation Course in Science and Technology (FST-01) as per UGC FYUP Framework.		SB 78.5
	Matter for Discussion	The course coordinators proposed the list of expert committee members to revise the course: Foundation Course in Science and Technology (FST-01) as per UGC FYUP Framework. Presently offered FST-01 course in old BDP programme is worth 8 credits; course coordinators proposed it to revise to 6 credits to be offered under interdisciplinary course (IDC) category as per the requirement of UGC FYUP Framework.	
	Decision of SB	The School Board of School of Sciences considered and recommended the list of expert committee members to revise the course: Foundation Course in Science and Technology (FST-01) as per UGC FYUP Framework with the suggestion of addition of least one faculty member and external expert from each discipline of SOS. After the addition of one faculty member and external expert from each discipline to the existing list of experts, the agenda was recommended by the School Board for the approval of the Competent Authority.	
SB 78.6	To consider and approve agenda items pertaining to the <u>Discipline of Biochemistry</u>		
	SB 78.6.1	To consider and approve the Minutes of the 37th and 38th Doctoral Research Committee meetings of Biochemistry discipline held on 26th September, 2024 and 28th January, 2025 respectively.	SB 78.6.1
	Matter for Discussion	The 37 th meeting of the Doctoral Committee of Biochemistry was held on 26 th September, 2024 to consider and recommend the following items:	

		i) To consider and review the Pre-Ph.D. thesis submission seminar of Ms. Deena Prakash (Enrollment No. 173101768) ii) To consider and recommend the name of Prof. Achal Kumar Srivastava, Department of Neurology, AIIMS, New Delhi as Co-supervisor for Ms. Renu Bhasin (Enrol. No. 198570549). The 38th meeting of the Doctoral Committee of Biochemistry was held on 28th January, 2025 to consider and recommend the following items: i) To consider and recommend the admission to PhD Biochemistry programme to July 2024 cycle. ii) To consider and review the progress reports of 8 research scholar for the period July to December, 2024.	
	Decision of SB	The School Board of School of Sciences considered and approved the Minutes of 37th and 38th Doctoral Research Committee meetings of Biochemistry discipline held on 26th September, 2024 and 28th January, 2025. Further, recommended the agenda items of DRC regarding the name of Prof. Achal Kumar Srivastava, Department of Neurology, AIIMS, New Delhi as Co-supervisor for Ms. Renu Bhasin and the approval of the names of selected candidates for admission to Ph.D. (Biochemistry) Programme to be placed in forthcoming Research Council Standing Committee/Research Council.	
	SB 78.6.2	To consider and recommend the names of course writers and editors for the theory and lab courses: MBCL-002: Biochemistry Lab II; MBC-005: Concepts and connections in metabolism; MBC-008: Genetics and evolutionary biology and MBC-009: Clinical Biochemistry; MBCE-015: Immunology and immunological techniques and MBCE-017: OMICS of M.Sc. Biochemistry Programme (MSCBCH).	SB 78.6.2
	Matter for Discussion	Biochemistry discipline is in process of developing study material for the M.Sc. Biochemistry Programme (MSCBCH). Programme Development form (PDF) and Programme Project Report (PPR) forms of M.Sc. Biochemistry were considered and duly approved by the 58th meeting of Academic Council Standing Committee held on 21st Nov, 2022. In this context, the course coordinators had proposed the lists of course writers and editors for the theory and lab courses: MBCL-002: Biochemistry Lab II; MBC-005: Concepts and connections in metabolism; MBC-008: Genetics and evolutionary biology and MBC-009:	

		Clinical Biochemistry; MBCE-015: Immunology and immunological techniques and MBCE-017: OMICS of M.Sc. Biochemistry Programme (MSCBCH).	
	Decision of SB	The School Board of School of Sciences considered the list of course writers and editors for the theory and lab courses of M.Sc. Biochemistry (MSCBCH) programme and recommended the same for the approval of the Competent Authority.	
	SB 78.6.3	To consider and approve the revised eligibility criteria for B.Sc. (Hons.) Biochemistry (BSCBCH) and M.Sc. Biochemistry (MSCBCH) programmes.	SB 78.6.3
	Matter for Discussion	Discipline of Biochemistry, SOS is offering undergraduate and postgraduate programmes in Biochemistry. B.Sc. (Honours) Biochemistry programme (BSCBCH) is on offer from July 2020; M.Sc. Biochemistry (MSCBCH) programmes is being offered since January 2024 admission cycle respectively. In response to the queries received from prospective learners and to make the admission to programmes more inclusive as per NEP 2020 guidelines, an expert committee meeting was held on 22 nd January, 2025 following agenda items were discussed: i) To consider and approve the revised eligibility criteria of B.Sc. (Hons.) Biochemistry programme (BSCBCH). ii) To consider and approve the revised eligibility criteria of M.Sc. Biochemistry (MSCBCH) programme	
	Decision of SB	The School Board members deliberated on the revised eligibility criteria for B.Sc. (Hons.) Biochemistry (BSCBCH) and M.Sc. Biochemistry (MSCBCH) programmes and recommended the minutes of the Expert Committee Meeting with clarification and minor revision for further consideration and approval of the Academic Council Standing Committee and Academic Council.	
	SB 78.6.4	To consider and recommend the name of Dr Munish Kumar as evaluator for the B.Sc. (BSCBCH and BSCFBC) and M.Sc. Biochemistry (MSCBCH) Programmes.	SB 78.6.4
	Matter for Discussion	Biodata of Dr Munish Kumar was received through SED Registrar's Office vide letter number 9634 for empanelment of evaluator for the following courses: MSCBCH courses: MBC-002, MBC- 004, MBC-006, MBC-010 and MBCE-013, BSCBCH and BSCFBC	

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		courses: BBCCT107, BBCCT 116 and BBCCT 127. The discipline reviewed the application and recommended that Dr Munish Kumar had 12 years of relevant experience for empanelment as evaluator for the above-mentioned courses.	
	Decision of SB	The School Board of School of Sciences considered the biodata of Dr Munish Kumar as evaluator for B.Sc. (Hons) Biochemistry (BSCBCH) programme and M.Sc. Biochemistry (MSCBCH) Programmes and recommended the same for the approval of the Competent Authority.	
SB 78.7	To consider and approve agenda items pertaining to the <u>Discipline of Chemistry</u>		
	SB 78.7.1	To consider and approve the Minutes of 75th and 76th Doctoral Research Committee Meeting of Chemistry Discipline held on 16th January 2025 and 24th January 2025 respectively.	SB 78.7.1.1 SB 78.7.1.2
	Matter for Discussion	The 75 th Doctoral Research Committee Meeting of Chemistry Discipline was held on 16 th January 2025 at 11:00 A.M. in Conference Room, School of Sciences. The agenda of the meeting was as mentioned: i) To review the six-monthly progress reports by research scholars enrolled in PhD (Chemistry) Programme. ii) Any other matter with the permission of the chair The 76 th Doctoral Research Committee Meeting of Chemistry Discipline was held on 24 th January 2025 at 11:00 A.M. in the Conference Room, School of Sciences. The agenda of the meeting was as mentioned: i) To approve the names of selected candidates for admission to Ph.D. (Chemistry) Programme. ii) To review the six-monthly progress report and Pre-Thesis seminars of two scholars enrolled in PhD (Chemistry) programme: Mr. Jagannadha Rao. Alla, (Enrolment no. 198570359) and Ms. Nidhi Manhas (Enrolment no. 202493220).	
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of 75 th and 76 th Doctoral Research Committee Meeting of Chemistry Discipline held on 16 th January 2025 and 24 th January 2025 respectively. Further, recommended the agenda regarding the approval of the names of selected candidates for admission to Ph.D. (Chemistry) Programme to be placed in forthcoming Research Council Standing Committee/ Research Council.	

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	SB 78.7.2	To consider and approve the list of examiners for evaluation of PhD Thesis of Mr. Prasanta Kumar Nag (Enrollment No. 202493410) enrolled in PhD (Chemistry) programme.	Confidential Cover																
	Matter for Discussion	The Ph.D. Scholar Mr. Prasanta Kumar Nag (Enrolment No. 202493410) is enrolled in PhD (Chemistry) programme. The details are mentioned below:																	
		<table><tr><td>Name</td><td>Prasanta Kumar Nag (July 2020 admission cycle)</td></tr><tr><td>Enrolment Number</td><td>202493410</td></tr><tr><td>Date of Registration</td><td>18/01/2021</td></tr><tr><td>Research Topic</td><td>“Determination of Chiroptical Properties of some Drug Molecules using Density Functional Theory”</td></tr><tr><td>Name(s) of Supervisor(s)</td><td>Prof. Lalita S Kumar Professor, Discipline of Chemistry, School of Sciences, IGNOU</td></tr><tr><td>Number(s) of Paper Publication and Details</td><td>Prasanta Kumar Nag, Titas Kumar Mukhopadhyay^{and} Lalita S Kumar (2025) Evaluating Specific Rotation of Flexible Chiral Drugs Using Density Functional Theory and Conformational Studies” Journal of Indian Chemical Society.</td></tr><tr><td>Nos. of Papers presented in conference/seminar</td><td>1. International Conference on Chemical and Biological Sciences-2024, organized by Atma Ram Sanatan Dharma College, University of Delhi from 27th-29th January 2024, an oral presentation titled, “Conformation Studies Through DFT Scanning of Dihedral Angle and Estimation of Specific Rotation of Chiral Drugs”. 2. International Conference on Designing a Sustainable Future: Advances and Opportunities in Green Chemistry (ICGC-2023) organised by the University of Ladakh, Ladakh from 3rd to 5th July, 2023, a poster presentation titled “Calculation of Chiroptical Properties of Some Chiral Drug Molecules using the Density Functional Theory”.</td></tr><tr><td>Date of Pre-PhD Presentation</td><td>16.01.2025 Thesis</td></tr></table>		Name	Prasanta Kumar Nag (July 2020 admission cycle)	Enrolment Number	202493410	Date of Registration	18/01/2021	Research Topic	“Determination of Chiroptical Properties of some Drug Molecules using Density Functional Theory”	Name(s) of Supervisor(s)	Prof. Lalita S Kumar Professor, Discipline of Chemistry, School of Sciences, IGNOU	Number(s) of Paper Publication and Details	Prasanta Kumar Nag, Titas Kumar Mukhopadhyay ^{and} Lalita S Kumar (2025) Evaluating Specific Rotation of Flexible Chiral Drugs Using Density Functional Theory and Conformational Studies” Journal of Indian Chemical Society.	Nos. of Papers presented in conference/seminar	1. International Conference on Chemical and Biological Sciences-2024, organized by Atma Ram Sanatan Dharma College, University of Delhi from 27 th -29 th January 2024, an oral presentation titled, “Conformation Studies Through DFT Scanning of Dihedral Angle and Estimation of Specific Rotation of Chiral Drugs”. 2. International Conference on Designing a Sustainable Future: Advances and Opportunities in Green Chemistry (ICGC-2023) organised by the University of Ladakh, Ladakh from 3rd to 5th July, 2023, a poster presentation titled “Calculation of Chiroptical Properties of Some Chiral Drug Molecules using the Density Functional Theory”.	Date of Pre-PhD Presentation	16.01.2025 Thesis
		Name		Prasanta Kumar Nag (July 2020 admission cycle)															
		Enrolment Number		202493410															
		Date of Registration		18/01/2021															
		Research Topic		“Determination of Chiroptical Properties of some Drug Molecules using Density Functional Theory”															
		Name(s) of Supervisor(s)		Prof. Lalita S Kumar Professor, Discipline of Chemistry, School of Sciences, IGNOU															
		Number(s) of Paper Publication and Details		Prasanta Kumar Nag, Titas Kumar Mukhopadhyay ^{and} Lalita S Kumar (2025) Evaluating Specific Rotation of Flexible Chiral Drugs Using Density Functional Theory and Conformational Studies” Journal of Indian Chemical Society.															
		Nos. of Papers presented in conference/seminar		1. International Conference on Chemical and Biological Sciences-2024, organized by Atma Ram Sanatan Dharma College, University of Delhi from 27 th -29 th January 2024, an oral presentation titled, “Conformation Studies Through DFT Scanning of Dihedral Angle and Estimation of Specific Rotation of Chiral Drugs”. 2. International Conference on Designing a Sustainable Future: Advances and Opportunities in Green Chemistry (ICGC-2023) organised by the University of Ladakh, Ladakh from 3rd to 5th July, 2023, a poster presentation titled “Calculation of Chiroptical Properties of Some Chiral Drug Molecules using the Density Functional Theory”.															
Date of Pre-PhD Presentation	16.01.2025 Thesis																		
The list of Examiners for the Evaluation of the thesis																			

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		is provided in a confidential cover. The agenda is placed before the School Board of the School of Sciences for its consideration and approval.		
	Decision of SB	The list of Examiners for evaluation of thesis of Mr. Prasanta Kumar Nag (Enrolment No. 202493410) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes.		
	SB 78.7.3	To consider and approve the list of examiners for evaluation of Ph.D. Thesis of Mr. Jagannadha Rao Alla (Enrollment No. 198570359) enrolled in Ph.D. (Chemistry) programme.	Confidential Cover	
	Matter for Discussion	The Ph.D. Scholar, Mr. Jagannadha Rao Alla (Enrolment No. 198570359) is enrolled in Ph.D. (Chemistry) programme. The details are mentioned below.		
		Name	Jagannadha Rao Alla (July 2019 admission cycle)	
		Enrolment No.	198570359	
		Date of Registration	26/07/2019	
		Research Topic	“Synthesis, Biological Evaluation and Molecular Docking Studies of Novel Indazole Derivatives”	
		Name(s) of Supervisor and Cosupervisor	Prof. Lalita S Kumar, Discipline of Chemistry, School of Sciences, IGNOU, New Delhi	Dr. B. Santosh Kumar, Asst. Professor of Chemistry, Gayatri Vidya Parishad College of Engineering (Autonomous), Madhurawada, Visakhapatnam
		Number(s) of Paper Publication and Details	Jagan et al, Design, synthesis, and biological evaluation of indazole carboxamide analogues as potential anticancer agents, Journal of Molecular Structure, Volume 1325, December 2024, 140949. https://doi.org/10.1016/j.molstruc.2024.140949	

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		Nos. of Papers presented in conference/seminar 1. International Conference on Chemical and Biological Sciences-2024, organized by Atma Ram Sanatan Dharma College, University of Delhi from 27th-29th January 2024, an oral presentation titled “The three-way synthesis of Indazole-based amides”. 2. International Conference on Designing a Sustainable Future: Advances and Opportunities in Green Chemistry (ICGC-2023) organised by the University of Ladakh, Ladakh from 3rd to 5th July, 2023, a poster presentation titled “Synthesis, Characterisation and Biological Evaluation of Some Indazole Derivatives”. 3. Three-Day International Virtual Conference on Impact of Chemical Disasters On Biota (ICDB- 2020) organized by Andhra University, Visakhapatnam, and Andhra Pradesh Academia of Sciences from 24th - 26th July 2020, a poster presentation titled “Design and synthesis of indazole based thiazolidine derivatives as potential anti-cancer compounds”	
		Date of Pre-PhD Thesis Presentation 24.01.2025 The list of Examiners for the Evaluation of the thesis is provided in a confidential cover. The agenda is placed before the School Board of the School of Sciences for its consideration and approval.	
	Decision of SB	The list of Examiners for evaluation of thesis of Mr. Jagannadha Rao Alla (Enrolment No. 198570359) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes.	
	SB 78.7.4	To consider and approve the list of examiners for evaluation of PhD Thesis of Ms. Nidhi Manhas (Enrollment No. 202493220) enrolled in PhD (Chemistry) programme	Confidential Cover
	Matter for Discussion	The Ph.D. scholar Ms. Nidhi Manhas (Enrollment No. 202493220) is enrolled in PhD (Chemistry) programme. The details are mentioned below:	

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		Name	Nidhi Manhas (July, 2020 admission cycle)
		Enrolment Number	202493220
		Date of Registration	18/01/2021
		Research Topic	"Study of Photophysical Properties and Applications of Novel Azobenzene Derivatives"
		Name(s) of Supervisor(s)	Prof. Lalita S Kumar Professor, Discipline of Chemistry, School of Sciences, IGNOU
		Number(s) of Paper Publication and Details	1. Manhas, N., Adimule, V., Lakshminarayana, P., Keri, R., Kumar, L.S., Bathula, C. (2023). Utilization of Co ²⁺ Doped Eu ₂ O ₃ Nanostructures and their Effect on the Dielectric and Photoisomerization of Liquid Crystals. Physics of Fluids, 35 (10). https://doi.org/10.1063/5.0171578
		Nos. of Papers presented in conference/seminar	1. Paper presentation "The Influence of Co ²⁺ : SeO ₂ Liquid Crystal Nanostructures on Enhanced Photoluminescence and Photo isomerization Properties" at conference on International Hybrid Conference on Nano Structured Materials and Polymers (ICNP) held at Mahatma Gandhi University, Kottayam, Kerala, India from May 12-14, 2023. 2. Oral paper presentation "Utilization of Co ²⁺ Doped Eu ₂ O ₃ Nanostructures and their Effect on the Dielectric and Photoisomerization of Liquid Crystals" at International conference on Recent Advances in Fluid Mechanics and Nanoelectronics (ICRAFMN-2023) organized by Manipal Institute of Technology, Bengaluru in association with National Institute of Technology, Uttarakhand, during July 12-14, 2023. 3. Poster presentation "Reversible Photoisomerization in Novel Azo-Benzoates using Density Functional Theory: Effect of Substitution and Solvent" at 3 rd Indian Analytical Congress (IAC-2024), an International Analytical conference and exhibition on role of science and technology in green transition, jointly organized by

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		Indian Society of Analytical Scientists (ISAS)-Delhi Chapter and CSIR- Indian Institute of Petroleum, Dehradun, Uttarakhand during 05-07 th , June, 2024	
		Date of Pre-PhD thesis Presentation 24.01.2025	
		The list of Examiners for Evaluation of thesis is provided in a confidential cover. The agenda is placed before the School Board of the School of Sciences for its consideration and approval.	
	Decision of SB	The list of Examiners for evaluation of thesis of Ms. Nidhi Manhas (Enrollment No. 202493220) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes.	
	SB 78.7.5	To consider and recommend the additional name of paper setter, member of moderation board and evaluator for MCH-002 course of PGDAC Programme	SB 78.7.5
	Matter for Discussion	The course coordinators of PGDAC programme had proposed the additional name of paper setter, member of moderation board and evaluator for the course: Separation Methods (MCH-002) of PGDAC Programme mentioned below, was placed before the 78 th School Board of the School of Sciences for its consideration and recommendation. Prof. (Dr.) Sharif Ahamd Superannuated Professor, Ex-PVC, SGT University, Gurugram, India Ex-Dean, Faculty of Natural Sciences, Jamia Millia Islamia, New Delhi Mobile No. 9891290510 Email : sharifahmad_jmi@yahoo.co.in	
	Decision of	The School Board of School of Sciences considered	

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	SB	the above-mentioned additional name of paper setter, member of moderation board and evaluator for the course: Separation Methods (MCH-002) of PGDAC Programme and recommended the same for the approval of the Competent Authority.			
SB 78.8	To consider and approve agenda items pertaining to the <u>Discipline of Geography</u> .				
	SB 78.8.1	To consider and approve the Minutes of the 85 th Meeting of the Doctoral Research Committee of Geography Discipline held on December 09, 2024.			SB 78.8.1
	Matter for Discussion	The 85th Meeting of the Doctoral Research Committee of Geography Discipline was held on December 09, 2024. The following agenda was discussed n the meeting: i) To review the Pre-Ph.D. thesis submission seminar presentation by Mr. Nitish Kumar Singh (Enrollment 202493330, July 2020).			
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of the 85 th Meeting of the Doctoral Research Committee of Geography Discipline held on December 09, 2024.			
	SB 78.8.2	To consider and recommend the panel of Experts for Doctoral Research Committee of the Discipline of Geography.			SB 78.8.2
	Matter for Discussion	The term of the panel of experts for Doctoral Research Committee of the Discipline of Geography had completed and the Discipline had submitted the panel of experts for reconstituting the Doctoral Research Committee of the Discipline of Geography.			
	Decision of SB	The School Board of School of Sciences considered the panel of experts for reconstituting the Doctoral Research Committee of the Discipline of Geography. and recommended the same for the approval of the Competent Authority.			
	SB 78.8.3	To consider and recommend the additional list of the evaluators for the courses of M.Sc. (Geography) Programme: Climatology (MGG-005) and Urban Geography (MGG-010).			
	Matter for Discussion	The additional list of the evaluators for the courses of M.Sc. (Geography) programme: Climatology (MGG- 005) and Urban Geography (MGG-010) as given below, was placed before the 78 th School Board of the School of Sciences for its consideration and recommendation.			
		S. No.	Name & Designation	Address	Phone/Email

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		1.	Dr. Sanjeev Kumar Assistant Professor	Department of Geography Rajganj University Uttar Dinajpur, West Bengal- 733134	Ph. No. 7764005467 email: sanjeevkumarla skar@gmail.com	
		2.	Dr. Anuradha Shankar Assistant Professor	Shyama Prasad Mukherji College (W), University of Delhi, Road No 57 Punjabi Bagh West, New Delhi- 110026	Ph. No. 9810031353 email- anu_shankar2@yahoo.co.in	
		3.	Dr. Gaurav Sikka Assistant Professor	P.G. Department of Geography, A.N. College, Patliputra University, Patna- 800013	Ph. No. 9210021110 email- gauravsikkageo@gmail.com	
	Decision of SB	The School Board of School of Sciences considered the additional list of evaluators for the courses of experts for courses of M.Sc. (Geography) Programme and recommended the same for the approval of Competent Authority.				
	SB 78.8.4	To consider and recommend the list of paper setters, members of moderation board and evaluators for the fourth semester courses of M.Sc. (Geography) Programme: Introduction to Remote Sensing (MGG- 012), Natural Resources Management (MGGE-002), Natural Hazards and Disaster Management (MGGE-003) and Hydrology and Water Resources (MGGE-004).				SB 78.8.4.1 SB 78.8.4.2 SB 78.8.4.3
	Matter for Discussion	The discipline of geography is in the process of developing M.Sc. (Geography) programme. The discipline had proposed the list of the paper setters, members of moderation board and evaluators for the fourth semester courses of M.Sc. (Geography) Programme: Introduction to Remote Sensing (MGG- 012), Natural Resources Management (MGGE-002), Natural Hazards and Disaster Management (MGGE- 003) and Hydrology and Water Resources (MGGE- 004).				
	Decision of SB	The School Board of School of Sciences considered and list of the paper setters, members of moderation board and evaluators for the fourth Semester Courses of M.Sc. (Geography) Programme and recommended the same for the approval of the Competent Authority.				
	SB 78.8.5	To consider and recommend the list of the paper setters and members of moderation board for the Course 'Environmental Studies' (BEVAE 181).				SB 78.8.5.1 SB 78.8.5.2

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	Matter for Discussion	The course coordinator had proposed the list of the paper setters and members of moderation board for the Course 'Environmental Studies' (BEVAE 181).			
	Decision of SB	The School Board of School of Sciences considered list of the paper setters and members of moderation board for the Course 'Environmental Studies' (BEVAE 181) and recommended the same for the approval of the Competent Authority.			
	SB 78.8.6	To consider and recommend the additional list of editors for course: Remote Sensing Techniques (MGGL-005) of M.Sc. (Geography) Programme.			
	Matter for Discussion	The additional list of editors for course: Remote Sensing Techniques (MGGL-005) of M.Sc. (Geography) Programme was placed before the 78 th School Board of the School of Sciences for its consideration and recommendation.			
		Remote Sensing Techniques (MGGL-005) Editors:			
		S. No.	Name & Designation	Address	Phone/Email
		1.	Prof. K. Kumaraswamy (Emeritus)	Department of Geography, Bharathidasan University, Tiruchirappalli - 620 024, Tamil Nadu	Ph. No. 9442157347 email- kkumargeo@gmail.com
		2.	Dr. Prakasam Associate Professor	Head of the Department (i/c), Department of Geography, School of Earth Sciences, Assam University, Diphu Campus, (Assam Central University) Diphu, Karbi Angling, Assam - 782462	Ph. No. 8628800475, email- c.prakasam@aus.ac.in, c.prakasam@aus.ac.in
	Decision of SB	The School Board of School of Sciences considered additional list of editors for course of M.Sc. (Geography) Programme and recommended the same for the approval of the Competent Authority.			
	SB 78.8.7	To consider and approve the list of examiners for evaluation of PhD Thesis of Mr. Nitish Kumar Singh, (Enrollment No. 202493330, July, 2020 Cycle) enrolled in PhD (Geography) programme.			Confidential cover

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	Matter for Discussion	The Ph.D. scholar Mr. Nitish Kumar Singh, (Enrollment No. 202493330, July, 2020 Cycle) is enrolled in PhD (Geography) programme. The details are mentioned below:		
		Name	Nitish Kumar Singh (July, 2020 admission cycle)	
		Enrolment Number	202493330	
		Date of Registration	January13, 2021	
		Research Topic	Impact of Land-Climate Interactions on Desertification of Rajasthan: A Geographical Appraisal	
		Name(s) of Supervisor(s)	Supervisor: Prof. Vijay Kumar Baraik Discipline of Geography, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068	Co-Supervisor: Prof. M.S. Nathawat (Retd.) Discipline of Geography, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068
		Number(s) of Paper Publication and Details	1. An assessment of the Land consumption pattern in the peri-urban area of the city of Varanasi using geospatial techniques (Year- 2022; Urban India; Vol. 42 (I)) 2. Quantifying urban expansion pattern in middle Ganga plain using remote sensing and GIS techniques: A case study of Varanasi city, Uttar Pradesh (Year- 2022; Hill Geographer; Vol. XXXVIII, No. 2) 3. Quantifying the characteristics and types of urban growth of Varanasi city using multi-temporal remotely sensed data and geospatial techniques (Year- 2023; Transactions; Vol. 45, No. 1) 4. Applying integrated approach of GIS and landscape metrics for analysing land use land cover dynamics of Varanasi district, India (Year- 2023; Annals of the National Association of geographers India; (Vol. 43, No.2) 4. Spatiotemporal changes in Indian land aridity: an assessment based on the cru data and UNEP's aridity index (Accepted for Publication; Date: June, 18 2024; MAUSAM Journal, IMD)	

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		Nos. of Papers presented in conference/s seminar	1. Presentation Theme- “Rajasthan’s Aridity Dynamics” in [43rd Indian Geography Congress (Year-2021; Focal Theme: Population, Environment, Health, Sustainable Development Goals and Appropriate Technologies: Post-COVID-19 Scenarios; October 28-30, 2021; Organized by- Department of Geography, Banaras Hindu University, Varanasi] 2. Presentation Theme: “Spatio-Temporal Dynamics Of Annual And Seasonal Aridity In Rajasthan, India: An Assessment Based On The Cru Dataset And UNEP’s Aridity Index”		
		Date of Pre-PhD thesis Presentation	09.12.2024		
		The list of Examiners for Evaluation of thesis was provided in a confidential cover. The agenda was placed before the School Board of the School of Sciences for its consideration and approval.			
	Decision of SB	The list of Examiners for evaluation of thesis of Mr. Nitish Kumar Singh, (Enrollment No. 202493330) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes.			
SB 78.9	To consider and approve agenda Item pertaining to the <u>Discipline of Geology</u>				
	SB 78.9.1	To consider and approve Minutes of the 81st and 82nd Meetings of the Doctoral Committee for Ph.D. (Geology) programme held on 18th October, 2024 and 26th November, 2024, respectively.		SB 78.7.1.1 SB 78.7.1.2	
	Matter for Discussion	The 81 st Doctoral Committee meeting of Geology was held on 18 th October, 2024. The following two agenda items were discussed: i) To review the progress reports of three scholars enrolled in PhD (Geology) Programme. ii) To review the First Work-in-Progress Seminar of the Scholars Ms. Sugeeta Sharma (Enrol. No.: 179341998). To consider and recommend the Pre-PhD Coursework allotted to the PhD student registered in PhD (Geology) Programme in July 2023 admission cycle. The 82 nd Doctoral Committee meeting of Geology was held on 26 th November, 2024. The following two agenda items were discussed:			

		i) To review the first Work-In-Progress Seminar of the scholars Ms. Ruby Siddiqui (Enrol. No.: 202493086). ii) To review the Second Work-In-Progress seminar of Ms. Sugeeta Sharma (Enrol. No. 179341998) enrolled in PhD (Geology) programme.	
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of the 81 st and 82 nd Meetings of the Doctoral Committee for Ph.D. (Geology) programme held on 18 th October, 2024 and 26 th November, 2024.	
	SB 78.9.2	To consider and recommend additional names of the Course Writers and Editors for the courses: MGY-010 Computer Programming for Digital Image Processing and GIS, MGY-012 Advanced Geoinformatics Laboratory, MGY-013 Research Methodology and Professional Skills in Geoinformatics, MGY-014 Geoinformatics in Natural Resources and Environmental Studies, MGYE-021 Emerging Applications of Geoinformatics, MGYE-022 Advanced Programming in Geoinformatics, MGYE-041 Geoinformatics in Urban Development and Planning and MGYE-042 Geoinformatics in Disaster Studies of MSc Geoinformatics (MSCGI) programme.	SB 78.9.2
	Matter for Discussion	The discipline of Geology is in the process of developing M.Sc (Geoinformatics) Programme. The discipline had proposed the list of additional names of course writers and editors for the courses namely MGY- 010 Computer Programming for Digital Image Processing and GIS, MGY-012 Advanced Geoinformatics Laboratory, MGY-013 Research Methodology and Professional Skills in Geoinformatics, MGY-014 Geoinformatics in Natural Resources and Environmental Studies, MGYE-021 Emerging Applications of Geoinformatics, MGYE-022 Advanced Programming in Geoinformatics, MGYE-041 Geoinformatics in Urban Development and Planning and MGYE-042 Geoinformatics in Disaster Studies of MSc Geoinformatics (MSCGI) programme.	
	Decision of SB	The School Board of School of Sciences considered list of additional names of course writers and editors for the courses of M.Sc. (Geoinformatics) Programme and recommended the same for the approval of the Competent Authority.	

	SB 78.9.3	To consider and recommend the list of Expert Committee Members for designing Skill Enhancement Courses (SEC) and Value Added Courses (VAC) for offering under Four Year Undergraduate Programme (FYUP).	SB 78.9.3
	Matter for Discussion	The Discipline of Geology had proposed list of expert committee members for designing Skill Enhancement and Value Added Courses for offering under the Four Year Undergraduate Programme (FYUP) in the line with NEP 2020.	
	Decision of SB	The School Board of School of Sciences considered the list of expert committee members for designing Skill Enhancement and Value Added Courses for offering under the Four-Year Undergraduate Programme (FYUP) and recommended the same for the approval of the Competent Authority.	
	SB 78.9.4	To consider and approve the PPF for the PhD (Geoinformatics) programme and list of Expert Committee Members for designing PrePhD coursework of the programme.	SB 78.9.4.1 SB 78.9.4.2 SB 78.9.4.3
	Matter for Discussion	The Post Graduate Certificate in Geoinformatics (PGCGI), Post Graduate Diploma in Geoinformatics (PGDGI) and MSc Geoinformatics (MSCGI) programmes are on offer from July 2014, July 2022 and July 2023 cycle, respectively. While designing these programmes, the Expert Committee in its two meetings held on 8th November 2010 and 18-19th April 2011, had recommended offering the research programme in geoinformatics. The Minutes of the meetings were approved in the 41st and 42nd meetings of the School Board of the School of Sciences held on 29th November 2010 vide item SB 41.33(ii) and 28th April 2011 vide item SB 42.20.1, respectively. The Expert Committee meeting conducted for Planning and Development of New Programmes in Geology held on 21st March 2014 had also recommended developing need based futuristic programmes in Geology including geoinformatics. Minutes of the meeting were approved in the 49th Meeting of the School Board of the School of Sciences held on 28th April 2014 vide item SB 49.8.2. Further, learners in their feedbacks are enquiring and requesting for upscaling the programme. Further, the National Task Force of Ministry of Education had also highlighted in its report the need for professionals adept in the geoinformatics related skills at different levels. In addition, feedback received from learners, academic counsellors and study centres also emphasise towards need for upscaling the programme in the field. Hence, with this background, the proposed programme aims to provide	

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		application-oriented skills in handling, processing, analyzing and interpreting geospatial data for various environmental, socio- economic and security-based applications. Further, the programme is in the line of NEP 2020 as it supports societal and interdisciplinary research. The above item was placed in the 78 th School Board of School of Sciences for its consideration and approval.													
	Decision of SB	Earlier circulated minutes which were recorded as follows: The School Board appreciated the idea however, it advised the Discipline to review the proposal regarding eligibility criteria. These have been revised as per discussion in 79 th School Board held on 28 th May 2025 and are placed below: <i>After much deliberation the School Board recommended that the proposal needs to reworked in the light of discussions. However, the School Board appreciated the idea and advised the discipline to review the proposal.</i>													
	SB 78.9.5	To consider and approve the list of examiners for evaluation of PhD Thesis of Mr. Rohitash Kumar (Enrolment No. 198570270) enrolled in PhD (Geology) programme.	Confidential Cover												
	Matter for Discussion	The details of Mr. Rohitash Kumar (Enrolment No. 198570270) enrolled in PhD (Geology) programme are as follows:<table><tr><td>Name</td><td>Rohitash Kumar</td></tr><tr><td>Enrolment Number</td><td>198570270</td></tr><tr><td>Date of Registration</td><td>27/07/2019</td></tr><tr><td>Research Topic</td><td>Morphological Characteristics of Tidal Networks and their Spatiotemporal Patterns using Geospatial Data in parts of the Gulf of Kachchh, Gujarat</td></tr><tr><td>Name of Supervisor</td><td>Prof. Benidhar Deshmukh, Discipline of Geology, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068</td></tr><tr><td>Presentation of papers in Seminars/Conferences</td><td>1. “Characteristics of Tidal Networks in Kalubhar Island, Gulf of Kachchh, Gujarat”, presented in International Conference on ‘Earth and Environment in Anthropocene (ICEEA-2021)’ held on 29-31, October, 2021, organised by Department of Geology, School of Earth sciences,</td></tr></table>	Name	Rohitash Kumar	Enrolment Number	198570270	Date of Registration	27/07/2019	Research Topic	Morphological Characteristics of Tidal Networks and their Spatiotemporal Patterns using Geospatial Data in parts of the Gulf of Kachchh, Gujarat	Name of Supervisor	Prof. Benidhar Deshmukh, Discipline of Geology, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068	Presentation of papers in Seminars/Conferences	1. “Characteristics of Tidal Networks in Kalubhar Island, Gulf of Kachchh, Gujarat”, presented in International Conference on ‘Earth and Environment in Anthropocene (ICEEA-2021)’ held on 29-31, October, 2021, organised by Department of Geology, School of Earth sciences,	
Name	Rohitash Kumar														
Enrolment Number	198570270														
Date of Registration	27/07/2019														
Research Topic	Morphological Characteristics of Tidal Networks and their Spatiotemporal Patterns using Geospatial Data in parts of the Gulf of Kachchh, Gujarat														
Name of Supervisor	Prof. Benidhar Deshmukh, Discipline of Geology, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068														
Presentation of papers in Seminars/Conferences	1. “Characteristics of Tidal Networks in Kalubhar Island, Gulf of Kachchh, Gujarat”, presented in International Conference on ‘Earth and Environment in Anthropocene (ICEEA-2021)’ held on 29-31, October, 2021, organised by Department of Geology, School of Earth sciences,														

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		Central University of Karnataka, jointly with Centre for Environment Sciences, and Department of Geology, University of Madras, Chennai, India 2. "Tidal Network Pattern in a part of Indus River Delta Using Sentinel-2 Imageries", presented in EQUINOX 2022 The Annual International Conference on The Expanding Frontiers of Knowledge held on 11 -13, August, 2022, organised by Centre for Research, Maitreyi College, University of Delhi							
		<table><tr><td>Number(s) of Paper</td><td>01</td></tr><tr><td>Publication and Details</td><td>Rohitash Kumar, Chatterjee, S., Kumar, R. and Deshmukh, B. (2023) Characteristics of Tidal Zone in Kalubhar Island, Gulf of Kachchh, Gujarat and Its Geomorphological Implications, Journal of Geosciences Research, Vol. 8, No 1, pp.58-62, http://dx.doi.org/10.56153/g19088-022-0095-20, ISBN 2455-1953</td></tr><tr><td>Date of Pre-PhD thesis Presentation</td><td>Tentatively in first week of February 2025</td></tr></table> The list of Experts for Evaluation of Thesis was provided in a Confidential Cover for approval of the School Board of School of Sciences.	Number(s) of Paper	01	Publication and Details	Rohitash Kumar, Chatterjee, S., Kumar, R. and Deshmukh, B. (2023) Characteristics of Tidal Zone in Kalubhar Island, Gulf of Kachchh, Gujarat and Its Geomorphological Implications, Journal of Geosciences Research, Vol. 8, No 1, pp.58-62, http://dx.doi.org/10.56153/g19088-022-0095-20 , ISBN 2455-1953	Date of Pre-PhD thesis Presentation	Tentatively in first week of February 2025	
Number(s) of Paper	01								
Publication and Details	Rohitash Kumar, Chatterjee, S., Kumar, R. and Deshmukh, B. (2023) Characteristics of Tidal Zone in Kalubhar Island, Gulf of Kachchh, Gujarat and Its Geomorphological Implications, Journal of Geosciences Research, Vol. 8, No 1, pp.58-62, http://dx.doi.org/10.56153/g19088-022-0095-20 , ISBN 2455-1953								
Date of Pre-PhD thesis Presentation	Tentatively in first week of February 2025								
	Decision of SB	The list of Examiners for evaluation of thesis of Mr. Rohitash Kumar (Enrolment No. 198570270) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the pre-PhD thesis presentation.							
	SB 78.9.6	To consider and approve the list of examiners for evaluation of PhD Thesis of Ms. Sujang Khamniungan (Enrolment No. 198570753) enrolled in PhD (Geology) programme.	Confidential Cover						
	Matter for Discussion	The details of Ms. Sujang Khamniungan (Enrollment No. 198570753) enrolled in PhD (Geology) programme are as follows: <table><tr><td>Name</td><td>Sujang Khamniungan</td></tr></table>	Name	Sujang Khamniungan					
Name	Sujang Khamniungan								

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		Enrolment Number	198570753	
		Date of Registration	19/07/2019	
		Research Topic	Petrological Studies of Ultramafic Rocks and Associated Chromite and Magnetite Ores of the Naga Hill Ophiolite in Parts of Noklak District, Nagaland, India	
		Name(s) of Supervisor (s)	Dr. Kakoli Gogoi, Discipline of Geology, School of Sciences IGNOU, Maidan Garhi, New Delhi-110068 and Dr. Kevilhoutuo Theunuo, (Sr. Geologist), Geological Survey of India, Nongrim Hills, Shillong 793006	
		Number(s) of Paper	01	
		Publication and Details	Khiamniungan, Sujang, and Kakoli Gogoi (2024) Mapping Ophiolite Research with an Emphasis on Naga Hills Ophiolite: Biblioshiny Analysis. Asian Journal of Geological Research 7 (3):370-87.	
		Presentation of papers in seminars/conferences	• Oral Presentation "Petrographical Characterization of Serpentinite and Metavolcanic Rocks from Naga Hill Ophiolite in and around Wui Village, Noklak District, Nagaland, India" in three days International Conference on Advancements in Interdisciplinary Research (ICAIR-2021), organized by Shia P.G. College, Lucknow, UP and Science Tech Institute, Lucknow, UP from 26th October to 28th October 2021. • Oral paper presentation "Petrographic Studies of Naga Hill Ophiolite in the Eastern Part of Noklak District, Nagaland, India" in three days International Conference on Advances in Science of the Earth: Relevance to the Society (ASERS-2022) during 24th to 26th November 2022, organized by the School of Earth Sciences Swami Ramanand Teerth Marathwada University, Nanded-Waghala, Maharashtra. • Oral paper presentation (online) "Megascopic Properties of Mafic-Ultramafic Rocks in Parts of Noklak District, Nagaland", 1st	

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			International Conference on Advances in Science organized by Gargaon College Science Forum & IQAC, Gargaon College in collaboration with CSIR-NEIST held on 5th & 6th May 2023.	
		Date of Pre-PhD Thesis Presentation	Tentatively in first week of February 2025	
		The list of Experts for Evaluation of Thesis was provided in a Confidential Cover for approval of the School Board of School of Sciences.		
	Decision of SB	The list of Examiners for evaluation of thesis of Ms. Sujang Khamniungan (Enrollment No. 198570753) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the after the pre-PhD thesis presentation.		
SB 78.10	To consider and approve agenda Item pertaining to the <u>Discipline of Life Sciences</u>			
	SB 78.10.1	To consider and approve the Minutes of the Doctoral Committee Meeting of Life Sciences Discipline held on 2nd December, 2024 and 23rd January 2025.		SB 78.10.1.1 SB 78.10.1.2
	Matter for Discussion	The Doctoral Committee meeting of Life Sciences was held on 2 nd December, 2024. The following agenda item were discussed: i) To consider and approve the Pre-thesis seminar of one student of Ms. Rashmi Kumari (Enrolment No. 173101926) enrolled in Ph.D (Life Sciences) programme. ii) To consider the withdrawal of Mr. Tushar Kumar (Enrolment No. 231000317) from PHDLS Programme. The Doctoral Committee Meeting of Ph.D in Life Sciences was held on 23 rd January, 2025. Following agenda were discussed and finalised in the Doctoral Committee Meeting. i) To consider and recommend the approval of selected candidates for PhD Life Sciences programme. ii) To review the six-monthly progress reports of seven students registered in PHDLS.		
	Decision of SB	The School Board of School of Sciences considered and approved the Minutes of Meeting of the Doctoral Committee meeting of Life Sciences Discipline held on		

		2nd December, 2024 and 23rd January 2025 respectively. Further, recommended the agenda items regarding the withdrawal of Mr. Tushar Kumar (Enrolment No. 231000317) from PHDLS Programme and the approval of selected candidates for PhD Life Sciences programme to be placed in forthcoming Research Council Standing Committee/Research Council.	
	SB 78.10.2	To consider and recommend the lists of paper setters, members of moderation board and evaluators for the courses MZO-006 (Biostatistics and Bioinformatics), MZO-007 (Principles of Ecology), MZO-008 (Immunology) and MZO-009 (Research Methodology) of M.Sc. (Zoology).	SB 78.10.2.1 SB 78.10.2.2 SB 78.10.2.3
	Matter for Discussion	The discipline of life Sciences is in the process of developing the self-learning materials for M.Sc. (Zoology) programme. The Programme coordinators had proposed the lists of paper setters, moderation board members and evaluators for the courses MZO- 006 (Biostatistics and Bioinformatics), MZO-007 (Principles of Ecology), MZO-008 (Immunology) and MZO-009 (Research Methodology) of M.Sc. (Zoology) programme.	
	Decision of SB	The School Board of School of Sciences considered the consolidated list of paper setters, members of moderation board and evaluators for the courses of M.Sc. (Zoology) programme and recommended the same for the approval of the Competent Authority. The dissent was submitted by Prof. Sunita Malhotra for above mentioned courses regarding the list of experts placed in Annexure SB 10.8.2 who have no PG experience and are employed at various colleges, teaching at UG level (dissent note appended).	
	SB 78.10.3	To consider and recommend the name of additional course writer for the courses of MZOE-006 [Applied Entomology (Elective)] and MZOL-IV (Lab Course IV) M.Sc. (Zoology) Programme (4th Semester).	
	Matter for Discussion	The Life Sciences Discipline is developing the Masters degree programme in Zoology. The following name of additional course writer for different courses of the M.Sc. (Zoology) Programme, viz., MZOE-006 [Applied Entomology (Elective)] and MZOL-IV (Lab Course IV) was placed before the 78th School Board of the School of Sciences for its consideration and recommendation. Prof. R. S. Sharma (Retd.) Head, Centre of Medical Entomology and Vector	

		Control NCDC, Ministry of Health and Family Welfare 22, Sham Nath Marg, Delhi-110054 Mobile: 9958678110 Email: ranjandersharma@gmail.com	
	Decision of SB	The School Board of School of Sciences considered the additional course writer for different courses of the M.Sc. (Zoology) Programme and recommended the same for the approval of the Competent Authority.	
	SB 78.10.4	To consider and recommend the name of editor for the Laboratory Course of MZOL-IV (Lab Course IV) M.Sc. (Zoology) Programme (4th Semester).	
	Matter for Discussion	The Life Sciences Discipline is developing the Masters degree programme in Zoology. The name of course editor for MZOL-IV (Lab Course IV) was placed before the School Board of the 78 th School of Sciences for its consideration and recommendation. Prof. B.K. Tyagi Professor of Zoology (Retd.) J N Vyas University, Residency Rd, Bhagat Ki Kothi, Jodhpur, Rajasthan-342011 Res.: D-4, Saraswati Nagar, "Shivendralaya" P.O.: Kumb ki Kothi, Jodhpur-342005 Mobile: 09047754757 Email: abktyagi@gmail.com	
	Decision of SB	The School Board of School of Sciences considered the name of editor for laboratory course of M. Sc. (Zoology) Programme and recommended the same for the approval of the Competent Authority.	
	SB 78.10.5	To consider and recommend the names of evaluators for Life Sciences Courses: LSE-01 (Cell Biology), LSE-02 (Ecology), LSE-03 (Genetics), LSE-12 (Plant Diversity-I), LSE-13 (Plant Diversity- II), BBYCT-131 (Biodiversity-Microbes, Algae, Fungi and Archegoniate), BBYCT-133 (Plant Ecology and Taxonomy), BBYCT-135 (Plant Anatomy and Embryology), BBYCT-137 (Plant Physiology and Metabolism), BBYET-141 (Cell and Molecular Biology), BBYET-143 (Economic Botany and Biotechnology), BBYEL-144 (Economic Botany and Biotechnology: Laboratory), BZYCT-131 (Animal Diversity), BZYCT-133 (Comparative Anatomy and Developmental Biology of Vertebrates), BZYCT-135 (Physiology and Biochemistry), BZYCT-137 (Genetics and Evolutionary Biology), BZYET-141 (Immunology), BZYCT-143 (Insect Vectors and	SB 78.10.5

		Vector Borne Diseases), MZO-001 (Molecular Cell Biology), MZOL-001 (Lab Course I), MZO-002 (Genetics and Animal Biotechnology), MZO-005 (Genomics and Proteomics), MZOL-002 (Lab Course II).	
	Matter for Discussion	The Discipline of Life Sciences had received the names of the evaluators from SED, IGNOU for the courses LSE-01 (Cell Biology), LSE-02 (Ecology), LSE-03 (Genetics), LSE-12 (Plant Diversity-I), LSE-13 (Plant Diversity-II), BBYCT-131 (Biodiversity-Microbes, Algae, Fungi and Archegoniate), BBYCT-133 (Plant Ecology and Taxonomy), BBYCT-135 (Plant Anatomy and Embryology), BBYCT-137 (Plant Physiology and Metabolism), BBYET-141 (Cell and Molecular Biology), BBYET-143 (Economic Botany and Biotechnology), BBYEL-144 (Economic Botany and Biotechnology: Laboratory), BZYCT-131 (Animal Diversity), BZYCT- 133 (Comparative Anatomy and Developmental Biology of Vertebrates), BZYCT-135 (Physiology and Biochemistry), BZYCT-137 (Genetics and Evolutionary Biology), BZYET-141 (Immunology), BZYCT-143 (Insect Vectors and Vector Borne Diseases), MZO-001 (Molecular Cell Biology), MZOL-001 (Lab Course I), MZO-002 (Genetics and Animal Biotechnology), MZO- 005 (Genomics and Proteomics), MZOL-002 (Lab Course II).	
	Decision of SB	The School Board of School of Sciences considered the names of evaluators for the life sciences courses for B.Sc., BSCG, BSCM and M.Sc. (Zoology) programmes and recommended the same for the approval of the Competent Authority.	
SB 78.11	To consider and approve agenda items pertaining to the <u>Discipline of Mathematics</u>		
	SB 78.11.1	To consider and approve the Minutes of 12th DRC and 13th DRC meetings of Mathematics Discipline held on 16th January 2025 and 24th January 2025 respectively.	SB 78.11.1.1 SB 78.11.1.2
	Matter for Discussion	12 th Doctoral Committee meeting of mathematics discipline was held on 16 th January 2025. Following agenda was discussed: i) To review the progress reports of student registered in Ph.D. Mathematics programme (PHDMT) of July 2021 session for the period July 2024-December 2024. 13 th Doctoral Committee meeting of mathematics discipline was held on 23 rd January 2025. Following agenda were discussed:	

		i) To consider the request for major change in the research topic of Mr. Shashank Dwivedi, Enrolment Number 210271604 and subsequent change in research supervisor. ii) To review the progress reports of student registered in Ph.D. Mathematics programme (PHDMT) of July 2021 session for the period July 2024-December 2024.	
	Decision of SB	The School Board of School of Sciences considered and approved the Minutes of Meeting of the 12 th DRC and 13 th DRC meetings of Mathematics Discipline held on 16 th January 2025 and 24 th January 2025 respectively. Further, recommended the agenda regarding the request for major change in the research topic of Mr. Shashank Dwivedi, Enrolment Number 210271604 and subsequent change in research supervisor to be placed in forthcoming Research Council Standing Committee/Research Council for approval.	
	SB 78.11.2	To consider and recommend the name of editor for the 3rd semester course Discrete Mathematics (BMTC-103) of B.Sc. (Mathematics) programme (BSCFMT).	
	Matter for Discussion	The Discipline of Mathematics had proposed the name of editor for the 3 rd semester course Discrete Mathematics (BMTC-103) of B.Sc. (Mathematics) programme (BSCFMT): Prof. B.S. Panda, Department of Mathematics, Indian Institute of Technology Delhi, New Delhi-110068 Mob: 9871928775 Email: bspanda1@gmail.com The name of editor is placed before the 78 th School Board for consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered the name of editor for BMTC-103 course of BSCFMT programme and recommended the same for the approval of the Competent Authority.	
	SB 78.11.3	To consider and recommend the revised list of evaluators for the course Algebra (MMT-003) of the M.Sc (MACS) programme.	SB 78.11.3
	Matter for Discussion	The Discipline of Mathematics has proposed the revised list of evaluators for the course: Algebra (MMT-003) of the M.Sc (MACS) programme.	
	Decision of SB	The School Board of School of Sciences considered the revised list of evaluators for the course Algebra (MMT-	

		003) of the M.Sc (MACS) programme and recommended the same for the approval of the Competent Authority.	
SB 78.12	To consider and approve agenda items pertaining to the <u>Discipline of Statistics</u>		
	SB 78.12.1	To consider and recommend the Minutes of the 5th Programme Expert Committee meeting to discuss and revise the eligibility criteria of the M.Sc. (Applied Statistics) programme.	SB 78.12.1
	Matter for Discussion	The 5th Programme Expert Committee meeting of the M.Sc. (Applied Statistics) (MSCAST) programme was held on January 15, 2025, at 03.30 pm in hybrid mode in the Conference Room, School of Sciences, IGNOU, New Delhi, to revise the eligibility criteria of the M.Sc. (Applied Statistics) (MSCAST) programme. The programme coordinators of the M.Sc. (Applied Statistics) informed the expert committee that several interested candidates are unable take admission to the M.Sc. (Applied Statistics) programme due to the current eligibility criteria of the programme, which is: Graduation with B.A./B.Sc. degree with Statistics/Mathematics as one of the subjects from any recognised University/Institution/Organisation. After detailed deliberation, the Expert Committee suggested that the eligibility criteria of the M.Sc. (Applied Statistics) programme should be revised as: Graduation with B.A./B.Sc. (Major/Honours) degree in Statistics/Mathematics from any recognised University/Institution/Organisation. Or Graduation with B.A./B.Sc. degree from any recognised University/ Institution/ Organisation with Statistics/Mathematics as one of three subjects with equal weightage. Or Graduation from any recognised University/Institution/Organisation with a Post Graduate Diploma in Statistics/Applied Statistics/Data Science/ Data Analytics.	
	Decision of SB	The School Board members deliberated on the revised eligibility criteria M.Sc. (Applied Statistics) (MSCAST) programme and recommended the minutes of the Expert Committee Meeting with minor correction for further consideration and approval of the Academic Council Standing Committee and Academic Council.	
	SB 78.12.2	To consider and recommend the additional names	SB 78.12.2

		of editors of a theory course of M.Sc. (Applied Statistics) programme.	
	Matter for Discussion	The programme coordinators of M.Sc. (Applied Statistics) programme have proposed the additional names editors of the theory course MSTE-012: Stochastic Process of M.Sc. (Applied Statistics) programme.	
	Decision of SB	The School Board of School of Sciences considered the additional names of editors of theory course of M.Sc. (Applied Statistics) programme and recommended the same for the approval of the Competent Authority.	
SB 78.13	To consider and approve agenda of Tabled Items		
	SB 78.13.1	To consider and approve IGNOU – ISRO Collaboration for conducting PGCGI, PDDGI and MSCGI programmes at ISRO centres across India.	SB 78.13.1
	Matter for Discussion	School of Sciences, IGNOU has been offering a Post Graduate Certificate (PGCGI) programme since 2014. Considering demand of the learners it has been enhanced to Post Graduate Diploma (PGDGI) and Masters (MSCGI) levels programmes which are on offer since 2023 along with the revised PGCGI programme. NRSC is one of the primary centers of ISRO, Department of Space (DOS). Five Regional Centres, called as Regional Remote Sensing Centres (RRSCs), located at Bengaluru, Jodhpur, Kolkata, Nagpur and New Delhi cater to outreach of the geospatial technology and its applications, promotion and capacity building of the people in the country. Considering the ever-increasing demands of stakeholders/ users towards use of geospatial technology, NRSC has established Training & Outreach facilities at its Jeedimetla Campus in Hyderabad and also at its five Regional Centres. Earlier, one of the ISRO centres, i.e. Regional Remote Sensing Centre, Nagpur was the study/work centre for the PGCGI programme. It is now proposed to extend the IGNOU – ISRO collaboration for conducting PGCGI, PDDGI and MSCGI programmes at the six ISRO centres across India i.e. the five RRSCs and NRSC.	
	Decision of SB	The School Board of School of Sciences appreciated the academic arrangement and gave its concurrence for IGNOU – ISRO collaboration on academic merit.	
	SB 78.13.2	To consider and recommend the name of Prof. B. I. Fozdar as external expert for evaluation and member of moderation board for the courses of	

		BSCG, BSCM and MSc (Chemistry) programmes.	
	Matter for Discussion	Prof. B.I. Fozdar, Chemistry discipline had superannuated on 31st January 2025. The discipline of chemistry had proposed the name of Prof. B.I. Fozdar as an external expert for evaluation and member of moderation board from 1st February 2025 for the courses: BCHCT-131, BCHET-149, BCHEL-150 and BCHS-183 of BSCG programme; courses-BCHCT-131 and BCHS-183 of BSCM programme and courses: MCH-012, MCH-015, MCH-022, MCH-023, MCH-024, MCHE-012 of MSc (Chemistry) programme. Address for correspondence: Prof. B. I. Fozdar (Retd.) School of Sciences, IGNOU, New Delhi Res.: 52, Anupam Apartments MB Road, New Delhi-110068 Mobile No: 9871475949 Email: bifozaard@gmail.com The above agenda is placed before the 78th School Board of School of Sciences for its consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered the name of Prof. B.I. Fozdar as evaluator and member of moderation board the courses of BSCG, BSCM and MSc (Chemistry) programmes and recommended the same for the approval of the Competent Authority.	
	SB 78.13.3	To consider and recommend the name of Prof. B. I. Fozdar as an external expert as course writer for the 3rd and 4th semester courses: Separation and Spectroscopic Methods (MCH 022) and Elective-II: Spectroscopic identification of Organic Compounds (MCHE 012), respectively of MSc (Chemistry) programme.	
	Matter for Discussion	Prof. B.I. Fozdar from Chemistry discipline had superannuated on 31st January 2025. The discipline of chemistry had proposed the name of Prof. B.I. Fozdar as an external expert as course writer for the 3rd and 4th semester courses: Separation and Spectroscopic Methods (MCH 022) and Elective-II: Spectroscopic identification of Organic Compounds (MCHE 012), respectively of MSc (Chemistry) programme. Address for correspondence: Prof. B. I. Fozdar (Retd.) 52, Anupam Apartments, MB Road. New Delhi-110068 Mobile No: 9871475949 Email: bifozaard@gmail.com The above agenda was placed before the 78th School Board of School of Sciences for its consideration and	

		recommendation.	
	Decision of SB	The above agenda was withdrawn.	

The meeting ended with thanks to the Chair.


प्रो. मीनल मिश्रा / Prof. Meenal Mishra
निदेशक / Director
विज्ञान विद्यापीठ / School of Sciences
इ.गॉ.रा.मु.वि., मैदान गढ़ी, नई दिल्ली-110068
IGNOU, Maidan Garhi, New Delhi-110068

(Prof. Meenal Mishra)
Director, SOS
Chairperson

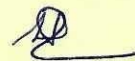
IGNOU
School of Sciences

31st Jan. 2025

Sub. : Dissent Note

This is with reference to my dissent expressed in the School Board Meeting held on 30th Jan. 2025, for the items containing list of paper setters, Evaluators and members of Moderation Board, my dissent may please be put on record for all those names of the experts in the list of courses M20-006, M20-007, M20-008 and M20-009 who have been placed in the list vide item No SB-78.10.2, who have no teaching experience of PG courses and are employed in various colleges and are teaching only at UG level.

Submitted please



प्रा. सुनीता मलहोत्रा / Prof. Sunita Malhotra
आचार्य, रसायन विज्ञान / Professor of Chemistry
विज्ञान विद्यापीठ / School of Sciences
इंदिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय
Indira Gandhi National Open University
मैदान गढ़ी, नई दिल्ली-68 / Maidan Garhi, New Delhi-68

Director (SOS)
Chairperson, School Board.