

J. C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA, FARIDABAD

(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22) Accredited 'A+' Grade by NAAC

DEPARTMENT OF CHEMISTRY

Organized Seminar on

"'Smart Polymeric Material for Biomedicine, Energy-related Applications, Sensors and Actuators"

Name of Department/ Section/ cell conducting the activity	Deptt. of Chemistry
Date of conduct	July 16, 2024
Activity Coordinator	Dr. Anurag Prakash Sunda
	Dr. Sunil Kumar
Amount Spent	10880
Funding/ grant from (University/ Industry/ UGC/ AICTE/	University
DST/ TEQIP/ Outside Society/ agency/others (mention)	
Target audience	Faculty Members and Students (UG, PG, BTech)
No. of beneficiaries	98+
Outside guests	Dr. Andrey V. Shibaev
	Senior Research Associate,
	Basque Centre for Materials,
	Leioa, Spain
Any other information	Facebook Link
Activity Links	

Flyer





J. C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA, FARIDABAD

(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22)

Accredited 'A+' Grade by NAAC



REPORT SUMMARY

JC Bose University organized Seminar on "Smart Polymers"

The Department of Chemistry of J.C. Bose University of Science and Technology, YMCA, Faridabad, today organized an expert lecture on 'Smart Polymeric Material for Biomedicine, Energy-related Applications, Sensors and Actuators' by Dr. Andrey V. Shibaev, Senior Research Associate, Basque Centre for Materials, Leioa, Spain.

The Chairperson of the Department of Chemistry Dr. Ravi Kumar welcomed the guest speaker and gave brief introduction about him. Dr. Andrey discussed viscoelastic behaviour of surfactants, role of polymer chain entanglement, self-healing of nano-gels, and neutron scattering of polymer composites and ionic liquids.

In his message, Vice-Chancellor Prof. Sushil Kumar Tomar said that "Smart" polymers are a class of dynamic polymers that extend the dynamics of molecular scale to macroscopic polymer materials, and thus become an important means for constructing intelligent materials with responsive behavior. Next generation materials science needs to address the biodegradablity of macromolecules, green synthetic processing and overcome from waste management issues. Plastic waste is collective failure of science and society and indeed, our collective efforts will allow us to archive biodegradability of polymers from library textbooks to daily life. Polymers towards biomedicines and their response with optical tracking is one of the emerging fields.

Dr. Anurag Prakash and Dr. Sunil Kumar were conveners of the program. Dr. Sunil Kumar proposed the vote of thanks to invited speaker, participants, especially Vice-Chancellor Prof. Tomar and Registrar Dr. Meha Sharma for their support to conduct the event. As many as 100 participants attended the seminar. The seminar was fruitful for the Students and scholars to learn latest research ideas and technological advancement related analysing smart material applications.

Dr. Ravi Kumar extended gratitude Dr. Andrey for visiting the University and addressing the seminar to enrich students with new horizons of material applications.

Promotion of event on social media: Facebook Link https://www.facebook.com/share/p/FJqRnNCXqb3fEcXk/



J. C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA, FARIDABAD (Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22)

Accredited 'A+' Grade by NAAC

LIST OF FACULTY MEMBERS AND STUDENTS ATTENDED THE PROGRAMME

364	*	Sec	clence and lien 2 (f) & 12 (8) of UC y established wide St ctor-6, Faridabad, Ha website: www.jcbos	rvana-121006	not. No. 21 01						University by UGC under Se Govt. Univers	ector-6, Fan Website: w				o. 21 of 20	aridabad o by NAAC) 009)	
			Department of C	nomietre				Sr. No.	Name		Roll No.							
	"Smart Polymeric I	Invites part Materials for Bior	ticination to co-		cture on cations. Sens	ors and Actuator	rs"	28.	Prachi		2300175 1021	Dept.		Course	Sem	ester	Mobile No.	Signatu
			Tuesday, 16° Ju	ly 2024				29.	Chanchal C	Chaudhay	23001757010	Chemi		MSc			050071872	Proch
	Vivekanand A	uditorium, J. C. (11:00 a.m. on Bose University of	wards Science & Te	chnology, YN	CA, Faridabad		30.	Jyoti Ga		23001751014	Chemins	try	MSC	I		766 308015	
r. No.	Name	Roll No.	Dept.	Course	Semester	Mobile No.	July 16, 2024 Signature	31.	Jyoli sar		23001751015	Contemi		MSC	TII	- 8	376086008	
1.	MJALI	20001906001		PhD	- Sumester	70422.76768	Airele'	33.	Vanshika	0 2	13001751050	Chami	+/	MSC	TI	78	36945661	Typti
2.	Kavita	21001906001	EVS	PhD	-	882663446	dents	34.	Radhika	2	2300/75/033	Chemie	Ky S	MSC	TU		11298709	Vansh
3.	Dusti	2300 1906001	EVS	PAD		9990792820	Dig	35.	Polet	- 2	300/22000		1	BSC	TIL		47121710	Radhiy
5.	Jonia Yadar		Chewisty	PhD	-	8901921575	Son't Yests	36.	Axigonic	11440012	3001321038	Chemis	LV	BSC	III		25966735	Preed
6.	Sakshi son, Shwoth Dagar	R0001961004	Chemistory	PND	-	9350130302	saker	37.	Hayan	- 40	3001322002	Chamis	10	BSC	TI	120	3906027	njonk
7.	Rimi	2000A01003	Chemistry Chemistry	PhD	_	9671334559	Rimi	38.	Adarsh	13	001377041	Chemis	the !	BSC .	III		2938838 P	Asyon
8.	Suma	23001751043	0	MSC	III	9729652494		39,	Indu)	300/322010	Christ		SC	III	8868	2970522 A	dork
9.	Tonu	230 1751047		Msc	Ш	BEPP CP8CPT	tany	41.	Beiganel	li 23	300/312039	chours		3.Sc.	I	8930	019648 6	di.
11.	Lanni	22.00 90100		PhD	_	SEPPERSOF	Jamy!	42	Tahiship	23	1001322057	Chemis	ery B		1111		1231628 Pu	
12.	Parul Sander Dichawhan		Chemistry	Ph D Prixet. Ass.	-	9467720555	Gull.	43.	uchi yada	14 23	3001322043	hemist	0 12	2	11		378053 gu	
13.	Pooja Pooja	22001901004		Ph.D.	-	8799748101	Perija	44.	Sunita Swal Rat	23	001322054	hemist	y E	96	III.	991661	-	velvi .
14.	Meenalcshi		Chemistry	Ph. D	-	8440841540		45. T	misha	9.72	01322053 C	bemistry		sc :	III	892076	135934 Sun	nIta
15.	Dinfle	22001322013		Bsc	V.H.	862639788		46.	eriyanko	230	20132205 (1 19322057 (hemist			П	89309	65 310 Tan	who
16.	Shruti Sharad	£3001251044		MSC	Mrd	8587865317		48	Pooja	2300	01322033 C	hemistou	7 1. 5		111	63981	94950 Pris	yantea
18.	Sandlya	23001751042	- 1	Msc	117.14	9310638483	Sandlya	40	Tamana	2300	1321015 C	hemish	1.5				280 toofa	
19.	Riva Mangla	23001751037	Chemistry	MSC MSC	III rd	8/78/53241	Stweets	50. K	a Monda	2 2300	01322040 chi	mistry	1000	THE		9311350	172	lang
20.	Merri	2200132235	· ·	Boc	To sel	\$ 700163220X	ng of		Laxmi	Ma 200	1328024 C	hemistry	1. Bs	2 1	TY		19850 1384	10
21.	Dikola	2500 3220 18		Bsc	IN top	798204090	OM/L	52.		ila 23001	328017 (homistry	BSC		- 10	195864	0319 Kox	
22.	Palat	2900/372034		Bsc	7744	8295997043	falation	-	ashmi	0200	01901005	herri ?	y Phi		I /	1205657	189 kajet	1
20.	noot 1 h																	
24.		22001322007		8SC	Th Th	9350411356	Segon -	55.	Calmins	n 1900	21901000	1)	1 7.				79.06 Pel	
24.	Poo Ja	2200132203	Chemistry	B.S.C	Vith	9310407976	Pay 9		Saloni	200	00190100	11	1.	-		959911	4584 B	- 1
25.	Poo Ja Ruchi	22001322038 23001751040	Chemistry	B.S.C.	V.th TIL	9310407976	Pay 9	55. 56. 57.	· Preeti	210	21901002 00190100 101901003	11	1 1 .	-	-	959911	45 K4 10	end
25. 26.	Poo Ja	22001322038 23001757040 23601751028	Chemistry Chemistry Chemistry	B.S.C	Vith	9310407976	Porga Ruchi Palat	55. 56.	Saloni	210	00190100	11	1.	-	- 9	959911	4584 B	end
25. 26.	Poola Ruchi Palak Sharma	22001322038 23001757040 23601751028	Chemistry Chemistry Chemistry	B.S. C M.SC. M.SC	JII.	9310407976 9971498447 8448562652	Porga Ruchi Palat	55. 56. 57.	· Preeti	210	21901002 00190100 101901003	11	1 1 .	-	- 9	959911	45 64 B 602525 Sas 25 14 Pro-	end
25. 26. 27.	loo I a Ruchi Patak Shasina Iyi Gaurar Adaul	22001322038 23001757040 23601751028	Chemistry Chemistry Chemistry	B.S. C M.SC. M.SC	JII.	9310407976 9971498447 8448562652	Porga Ruchi Palat	55. 56. 57.	· Preeti	210	21901002 00190100 101901003	11	1 1 .	-	- 9	959911	45 64 B 602525 Sas 25 14 Pro-	end
25. 26. 27.	loo I a Ruchi Patak Shasina Iyi Gaurar Adaul	2200132203 23001751040 23601751028 23001751034	Chemistry Chemistry Chamistry Chamistry	B.S.C. N.SC. M.SC.	V. H. H. H.	9310407976 99711498447 8448562652 9350503919	Pay 9 Rucht- Dalate	55. 56. 57. 58.	Saloni · Ruti Ay ita	210	01901000 00190100 001901003	1) 1) S ()	111111111111111111111111111111111111111		- 9	959911 95181 315163 51356	45 64 B 602525 Sas 25 14 Pro-	end
25. 26. 27.	Boo Ja Ruchi Patak Sharma Lij Gauraw Adaruf	2200132203 23601751040 2360455028 23001751034	Chemistry Chemistry Chemistry	B.S.C. M.SC. M.SC.	→ 日 日 79.	931040778 99-11498447 8448562652 9350503918	Porjo Rucht Dalat Wai	55. 56. 57. 58.	Saloni · Ruti Ay ita	210	019 01 pod 0 019 01 pod 10 19 01 pod 10	11 11 11 11 11 11 11 11 11 11 11 11 11	63.	62	9	959911	45 64 B 602525 Sas 25 14 Pro-	end
25. 26. 27.	Boo Ja Ruchi Patak Sharma Lij Gauraw Adaruf	2200132203 23601751040 2360455028 23001751034	Chemistry Chemistry Chemistry	B.S.C. M.SC. M.SC.	→ 日 日 79.	931040778 99-11498447 8448562652 9350503918	Porga Rucht Dalas Daga	55. 56. 57. 58.	Saloni Ruti Arpita	210	019 01 000 0 019 01 000 10 19 01 000 10 01 000 10 01 000 10 000	11 11 64. W. 65. M.	63.	62	9 60.	951911 95181 315163 51356	45 64 DE 602 123 5 SA 14 Bruss 34 56 Au	end
25. 26. 27.	Boo Ja Ruchi Patak Sharma Lij Gauraw Adaruf	2200132203 73001161940 2260155028 23001151034	Chemistry Chemistry Chemistry	B.S.C. M.SC. M.SC.	→ 日 日 79.	931040778 99-11498447 8448562652 9350503918	Porga Rucht Dalas Daga	55. 56. 57. 58.	Saloni Ruti Arpita	210	019 01 000 0 019 01 000 10 19 01 000 10 01 000 10 01 000 10 000	11 11 64. W. 65. M.	63 Shout	62 Anna 6.	9 60.	951911 95181 315163 51356	45 F1 @ 6021735 545 641 651 651 651 651 651 651 651 651 651 65	The state of the s
25. 26. 27.	Boo Ja Ruchi Patak Sharma Lij Gauraw Adaruf	2200132203 23601751040 2360455028 23001751034	Chemistry Chemistry Chemistry	B.S.C. M.S.C. M.	>===== 79. 101.00mg/G	931040776 99-11498447 8448562652 9350503918	Porga Rucht Dalas Daga	55. 56. 57. 58.	Saloni Ruti Arpita	210	019 01 000 0 019 01 000 10 19 01 000 10 01 000 10 01 000 10 000	17 17 64. Veg gram	63 Shout	62 Anna 6.	9 60.	951911 95181 315163 51356	45 F1 @ 6021735 545 641 651 651 651 651 651 651 651 651 651 65	J. C.
25. 26. 27.	Boo Ja Ruchi Patak Sharma Lij Gauraw Adaruf	22001322038 2300111040 2300455028 12001151034	Chemistry Chemistry Chemistry Chemistry	B.S.C. M.S.C. M.	→ 日 日 79.	931040778 99-11498447 8448562652 9350503918	Porga Rucht Dalas Daga	55. 56. 57. 58.	Saloni · Ruti Ay ita	210	019 01 000 0 019 01 000 10 19 01 000 10 01 000 10 01 000 10 000	11 11 64. W. 65. M.	63 Shout	62 Anna 6.	1 60 Dikestant	95/81/95/85/85/85/85/85/85/85/85/85/85/85/85/85	45 F1 @ 6021735 545 641 651 651 651 651 651 651 651 651 651 65	J. C.
25. 26. 27.	Boo Ja Ruchi Patak Sharma Lij Gauraw Adaruf	22001322038 2300111040 2300455028 12001151034	Chemistry Chemistry Chemistry Chemistry	B.S.C. M.S.C. M.S. M.S	FIFE TO THE MANAGE TO THE TOTAL THE	9310407976 99-11498447 8449262652 9350503919	Person 74 Despok	55. 56. 57. 58. 72. Kollaah	Saloni Buchi Buchi Appira	210 210 210 AM	019 0100 0019 01000 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 010000 0019 0100 0019 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 00100 00100 00100 00100 00100 00100 00100 001000 00100 00100 001000 00100 00100 00100 001000 00100 00100 00100 00100 001000 00100	65. Michay	63 Showto huptu	62 Anna D. Mallet	80. Dikkshant sharm	959911 95/81 315163 50 210011011001	45 C A A S A S A S A S A S A S A S A S A S	(Rec
25. 26. 27.	Boo Ja Ruchi Patak Sharma Lij Gauraw Adaruf	22001322038 2300111040 2300455028 12001151034	Chemistry Chemistry Chemistry Chemistry	B.S.C. M.S.C. M.S. M.S	FIFE TO THE MANAGE TO THE TOTAL THE	9310407976 99-11498447 8449262652 9350503919	Person 74 Despok	55. 56. 57. 58. 72. Kollaah	Saloni Buchi Aupira 70 09 Male 800 120	210 210 88 Maral 27	019 0100 0019 01000 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 010000 0019 0100 0019 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 00100 00100 00100 00100 00100 00100 00100 001000 00100 00100 001000 00100 00100 00100 001000 00100 00100 00100 00100 001000 00100	65. Michay	63 Showto huptu	62 Anna D. Mallet	80. Dikkshant sharm	959911 95/81 315163 50 210011011001	45 C 1 A C 2	Recognised by UGG
25.	Boo Ja Ruchi Patak Sharma Lij Gauraw Adaruf	22001322038 2300111040 2300455028 12001151034	Chemistry Chemistry Chemistry Chemistry	B.S.C. M.S.C. M.S. M.S	FIFE TO THE MANAGE TO THE TOTAL THE	9310407976 99-11498447 8449262652 9350503919	Person 74 Despok	55. 56. 57. 58. 72. Kollaah	Saloni Buchi Aupira 70 09 Male 800 120	210 210 88 Maral 27	019 0100 0019 01000 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 0100 0019 010000 0019 0100 0019 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 0019 00100 00100 00100 00100 00100 00100 00100 00100 001000 00100 00100 001000 00100 00100 00100 001000 00100 00100 00100 00100 001000 00100	65. Michay	63 Showto huptu	62 Anna D. Mallet	80. Dikkshant sharm	959911 95/88 315163 50 21001120000	ASTA AN ASTAR GOV. LINING	Recognised by UGG
25. 26. 27.	Coof a Ruchi Fatak Sharawe Adout 1 2001322054 2001322054	2200132203 2301171040 230013205 1200131019 85 80041104 2200132203	Chemistry Chemistry Chemistry Chemistry	Risc Miss 80 Komal Blander 13001372121	FIFE TO THE MANAGE TO THE TOTAL THE	931040718. 9311040719. 93119562652. 9350505999. 76. Similaria. 2200137265. 77. Shidana. 2200137265.	73 Despak 200152222 74 Reet Klav 2200152204	55. 56. 57. 58. 72. Kolloan 22013/100/3	Salory Pretty 10 10 Mills Suns such 10 Mills Suns su	210 210 88 Maral 27	El olipea	65. Asht Shalland	63 Shouth hupte 11001404	62 Anni Di Malli Maria	1 60 Dikestant	959911 95/81 315163 50 210011011001	ASTA AN ASTAR GOV. LINING	I. C. Bose Unit
25. 26. 27.	Coof a Ruchi Fatak Sharawe Adout 1 2001322054 2001322054	2200132203 2301171040 2120135055 12001361019 85 80041104 2200132203	Chemistry 230013220118	Risc Miss 80 Komal Blander 13001372121	5 = = 78. Mariani 2201 22201 79. Antonio 23001 32201	931040718. 9311040719. 93119562652. 9350505999. 76. Similaria. 2200137265. 77. Shidana. 2200137265.	73 Despak 200152222 74 Reet Klav 2200152204	55. 56. 57. 58. 72. Kolloan 22013/100/3	Salory Pretty 10 10 Mills Suns such 10 Mills Suns su	23 2 10 20 220 68 STUTTED 23 col 3226 6	66. 2001401000 0014010000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 00140100000 0014010000 001401000000 00140100000000	64. Vygoma vacish 2200 141200 1	63 Showto hupte 11001404	62 Anna O Hall to Warner	80. Dikkshiant Shiring 2700 194001	959111 95 181 315163 51356	45 C1 A Same Govi Linversity est Sectors Sectors Well Well Well Well Well Well Well Wel	Recognised by UGG
25. 26. 27.	Roof a Ruchi Patak Sharawe Patak Sharawe	2200132208	Chemistry Chemis	B. S.	78. Harden 200132201 Cu	9310407976 99-11498447 8449262652 9350503919	73 Deupak 22001322040 chan 23 Deupak 22001322040 chan 23 Jan 24 Raet Jahr 22001322040 chan 75 Lutin	55. 56. 57. 58. 72 Kollach 2200 King 3 Chan	Saloni Puth of the Milks and state our	23 2 10 20 220 68 STUTTED 23 col 3226 6	66. 2001401000 0014010000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 00140100000 0014010000 001401000000 00140100000000	65. Nicht Warden Vacial 2200 H1200 15 th	63 Shouth hupte 11001404	62 Ann of Guld to la cola of the	60. Dipartant shirt 2001 14401 elle	959111 95 181 315163 50 71 June 860 No.	4.5 C1 A State GML University established Sectors, Bank Se	J. C. Bose University of Scient (Recognised by UCC under Section 2 () A.
25. 26. 27.	Coof a Ruchi Fatak Sharawe Adout 1 2001322054 2001322054	2200132208	Chemistry Chemis	Risc Miss 80 Komal Blander 13001372021	78. Harden 200132201 Cu	931040718. 9311040719. 93119562652. 9350505999. 76. Similaria. 2200137265. 77. Shidana. 2200137265.	73 Deupak 22001322040 chan 23 Deupak 22001322040 chan 23 Jan 24 Raet Jahr 22001322040 chan 75 Lutin	55. 56. 57. 58. 72. Kolloan 22013/100/3	Saloni Puth of the Milks and state our	23 2 10 20 220 68 STUTTED 23 col 3226 6	66. 2001401000 0014010000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 00140100000 0014010000 001401000000 00140100000000	65. Nicht Warden Vacial 2200 H1200 15 th	63 Shouth hupte 11001404	62 Ann of Guld to la cola of the	60. Dipartant shirt 2001 14401 elle	959111 95 181 315163 50 71 June 860 No.	4.5 C1 A State GML University established Sectors, Bank Se	I. C. Bose University of Scient (Recognised by UCC under Section 2 () A.
25. 26. 27. (Confidence of the state of the	2200132208	Chemistry Chemistry 22 Nidla 23001322029 Chemistry	B. S.C. 80. Komal Blander 200132201 (homely)	5 = = 79. Jacobay (100 13201 Christin)	931040718. 9311040719. 93119562652. 9350505999. 76. Similaria. 2200137265. 77. Shidana. 2200137265.	73 Deepak 220018220to chemistry 1	55. 56. 57. 68. 72 Kollaah 220013:003 chemina	Saloni Puth of the Milks and state our	23 col 320% Ch	66. 2001401000 0014010000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 00140100000 0014010000 001401000000 00140100000000	65. No. 1. Should show the state of the stat	63 Shouth hupte 11001404	62 Ann of Guld to la cola of the	80. Dikkshiant Shiring 2700 194001	959111 95 1818 31516 59 2 1818 1013 1013 1013 1013 1013 1013 1013	4.5 C1 A State GML University established Sectors, Bank Se	J. C. Bose University of Scient (Recognised by UCC under Section 2 () A.
25. 26. 27. (Confidence of the state of the	2200132208	Chemistry Chemistry 22 Nidla 23001322029 Chemistry	B. S.C. 80. Komal Blander 200132201 (homely)	5 = = 79. Jacobay (100 13201 Christin)	931040718. 9311040719. 93119562652. 9350505999. 76. Similaria. 2200137265. 77. Shidana. 2200137265.	73 Deepak 220018220to chemistry 1	55. 56. 57. 68. 72 Kollaah 220013:003 chemina	Party 10 10 Tanishile execusion ordinary	BB STUTIERY SOURCED Williams of Standard Chemister	ER OF DE STATE OF THE STATE OF	5 Communication of the Adiques	63 Showth hupter 190019040	62 Aring Wall A Brian ,	11 Can Dikkshant sham 2001 What Electerists	959111 95 1818 31516 59 2 1818 1013 1013 1013 1013 1013 1013 1013	4.5 C1 A State GML University established Sectors, Bank Se	I. C. Bose University of Scient (Recognised by UCC under Section 2 () A.
25. 26. 27. [Coof a Ruchi Fatak Sharawe Adout 1 2001322054 2001322054	2200132208	Chemistry Chemis	B S C	78. Hordan Jacobsach 1 79. Jacobsach 1300/32201 Charachy 1	931042718 911498447 9419562652 9350 505917 76 SIMMAN 22501372059 DEMINISTRY 22501372059 DEMINISTRY 22501372059 DEMINISTRY 22501372059 DEMINISTRY 25501372059 DEM	73 Deepak 220018220to chemistry 1	55. 56. 57. 58. 72 Kollach 2200 King 3 Chan	Party 10 10 Tanishile execusion ordinary	23 2 10 20 220 68 STUTTED 23 col 3226 6	66. 2001401000 0014010000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 001401000 00140100000 0014010000 001401000000 00140100000000	5 Communication of the Adiques	63 Shawta hugta 190119404	62 Aring Wall A Brian ,	60. Dipartant shirt 2001 14401 elle	959111 95 181 315163 50 71 June 860 No.	4.5 C1 A State GML University established Sectors, Bank Se	J. C. Bose University of Scient (Recognised by UCC under Section 2 () A.
25. 26. 27. (Construction Const	2200132203	Chemistry Chemistry (Amistry Chemistry Chemistry Chemistry Chemistry (Amistry Chemistry Chemistry (Chemistry Chemistry (Chemistry Chemistry (Chemistry Chemistry (Chemistry Chemistry (Chemistry (Chem	B S S S S S S S S S S S S S S S S S S S	5 = = = 79 John (Javin 1300132011 Christin Brie	931040718 9411498444 100134046 1000477 655 177 SIMTAN 220132200 1000477 655 177 177 177 177 177 177 177 177 177 1	73 Despak 2000/2000 chamity 630	55. 56. 57. 58. 72 Kollash 2201 Kings Chemidal 854	Party 10 Township esacrouse showing see	88 SALLERY SOURCE OF THE SEC	66. 001901000 Chamara & Ch	5 Con North Vacate 2200 Magazin 1	63 Shawta hugta 190119404	62 Amin B. Kullid Kannard 12001904001 //	50. Dipelland sham are retired electronics PHO	959111 95 1818 315163 50 21001134001 84pt (ALLX)	4.5 C1 A State GML University established Sectors, Bank Se	I. C. Bose University of Scient (Recognised by UCC under Section 2 () A.
25. 26. 227.	Construction Const	2200132208	Chemistry Chemistry (2. Nidth: 23001322029 Chemistry Chemistry)	B S S S S S S S S S S S S S S S S S S S	5 = = = 79 John (Javin 1300132011 Christin Brie	931040718 9411498444 100134046 1000477 655 177 SIMTAN 220132200 1000477 655 177 177 177 177 177 177 177 177 177 1	73 Deepak 220018220to chemistry 1	55. 56. 57. 68. 72 Kollach 2200 Kings Chemids 854 Th	Party 10 Township esacrouse showing see	88 STULLIEUR SOURCED GO WARMAN &C	66. 001901000 Chamara & Ch	5 Con North Vacate 2200 Magazin 1	63 Shawta hugta 190119404	62 Amin Bi Kallid Kannan (1300) 9040 60 1 1	11 Can Dikkshant sham 2001 What Electerists	959111 95 1818 315163 50 21001134001 84pt (ALLX)	4.5 C1 A State GML University established Sectors, Bank Se	I. C. Bose University of Scient (Recognised by UCC under Section 2 () A.
25. 26. 27. 1	Construction Control 22001322091 ctems of 3.51 Teth	2200132203	Chemistry Chemistry Chemistry 82. Nieth 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223	BY S. S. S. BI Saleri (James 2301322015 Lemilly B.S. III'd	To John Growth I Soot 32 201 Charleton Brice III rd	931040718 9411498447 9419562652 9350 505917 76. SMATAMA 2200182305 04446577 055.	73 Despak 200182300 chewith 830 YH	55. 56. 57. 58. 72 Kollach 2200 Back Chemical BSC Th	Ballon to tourned exercises which see The	88 SALVINE SON CEDERAL REMAINER ASC 11184	66 James 2300132049 Chamatay B.d.C. III'd	2 2 5 64 Wy from vocal 22001412001 5 th Asighany 1 1st 75.	63 Shawta Amplu 1000 Holps 17	62 Annolite Comment 1 John 16 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	60. Dipellant sum scallenge duterics PHD 3 ml	959111 95 1818 31516 59 2 1818 1013 1013 1013 1013 1013 1013 1013	4.5 C1 A State GML University established Sectors, Bank Se	J. C. Bose University of Scient (Recognised by UCC under Section 2 () A.
25. 226. 227. 1	Construction Control 22001322091 ctems of 3.51 Teth	2200132208 74 Hard 22001322018 (44 Hashy 8.5) 74 Hard 8.5 8000 Anna 22001322018 (44 Hashy 8.5) 74 Hard 8.5 8000 Anna 22001322018 (46 Marshy 8.5) 74 Hard 8.5 8000 Anna 2200132018 (46 Marshy 8.5) 74 Hard 8.5 8000 Anna 2200132018 (46 Marshy 8.5) 74 Hard 8.5 8000 Anna 2200132018 (46 Marshy 8.5) 74 H	Chemistry Chemistry Chemistry 82. Nieth 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223	BY S. S. S. BI Saleri (James 2301322015 Lemilly B.S. III'd	To John Growth I Soot 32 201 Charleton Brice III rd	931040718 9411498447 9419562652 9350 505917 76. SMATAMA 2200182305 04446577 055.	73 Despak 200182300 chewith 830 YH	55. 56. 57. 58. 72 Kollach 2200 Back Chemical BSC Th	galant 10 Thundle executes thought like The a	88 SALVINE SON CEDERAL REMAINER ASC 11184	66 James 230032049 Chamatay B.d. II'd	65. White week 2300 M 200 1 3. the Adiplican 1 1 3.48. 8	63 Shareta Aupta 1100 Holdy 11 1 2 1 9	62 Anna J. Label Namen H. Maria J. 6" 88	60. Dipellant sum scallenge duterics PHD 3 ml	959111 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.5 C1 A State GML University established Sectors, Bank Se	J. C. Bose University of Scient (Recognised by UCC under Section 2 () A.
25. 26. 27. 1	Construction Control 22001322091 ctems of 3.51 Teth	2200132208 74 Hard 22001322018 (44 Hashy 8.5) 74 Hard 8.5 8000 Anna 22001322018 (44 Hashy 8.5) 74 Hard 8.5 8000 Anna 22001322018 (46 Marshy 8.5) 74 Hard 8.5 8000 Anna 2200132018 (46 Marshy 8.5) 74 Hard 8.5 8000 Anna 2200132018 (46 Marshy 8.5) 74 Hard 8.5 8000 Anna 2200132018 (46 Marshy 8.5) 74 H	Chemistry Chemistry Chemistry 82. Nieth 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223	BY S. S. S. BI Saleri (James 2301322015 Lemilly B.S. III'd	To John Growth I Soot 32 201 Charleton Brice III rd	931040718 9411498447 9419562652 9350 505917 76. SMATAMA 2200182305 04446577 055.	73 Despak 200182300 chewith 830 YH	55. 56. 57. 58. 72 Kollach 2200 Back Chemical BSC Th	galant 10 Thundle executes thought like The a	88 SALVINE SON CEDERAL REMAINER ASC 11184	66 James 230032049 Chamatay B.d. II'd	65. White week 2300 M 200 1 3 th Adiplion 1 1 348. 8	63 Shareta Aupta 1100 Holdy 11 1 2 1 9	62 Anna J. Label Namen H. Maria J. 6" 88	60. Dipellant sum scallenge duterics PHD 3 ml	959111 95 1818 315163 50 21001134001 84pt (ALLX)	4.5 C1 AS BAR GRAM Linkersky established Sector-6, fair Weister W	J. C. Bose University of Scient (Recognised by UCC under Section 2 () A.
25.	Construction Control 22001322091 ctems of 3.51 Teth	2200132208 74 Hard 22001322018 (44 Hashy 8.5) 74 Hard 8.5 8000 Anna 22001322018 (44 Hashy 8.5) 74 Hard 8.5 8000 Anna 22001322018 (46 Marshy 8.5) 74 Hard 8.5 8000 Anna 2200132018 (46 Marshy 8.5) 74 Hard 8.5 8000 Anna 2200132018 (46 Marshy 8.5) 74 Hard 8.5 8000 Anna 2200132018 (46 Marshy 8.5) 74 H	Chemistry Chemistry Chemistry 82. Nieth 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223	BY S. S. S. BI Saleri (James 2301322015 Lemilly B.S. III'd	To John Growth I Soot 32 201 Charlety Brice III rd	931040718 9411498447 9419562652 9350 505917 76. SMATAMA 2200182305 04446577 055.	73 Despak 200182300 chewith 830 YH	55. 56. 57. 58. 72 Kollach 2200 Back Chemical BSC Th	galant 10 Thumble executes thought like The a	88 SALVINE SON CEDERAL REMAINER ASC 11184	66 James 230032049 Chamatay B.d. II'd	65. White week 2300 M 200 1 3 th Adiplion 1 1 348. 8	63 Shareta Aupta 1100 Holdy 11 1 2 1 9	62 Anna J. Label Namen H. Maria J. 6" 88	60. Dipellant sum scallenge duterics PHD 3 mg	9591181835 BB 2 Tabilistian ROLLING SKPT GALLIN LANGE MICH.	4.5 C1 A State GML University established Sectors, Bank Se	Recognised by UGC under Section 2 ft a.
15.	Construction Control 22001322091 ctems of 3.51 Teth	200132203 (** Table 2001322015) (** Table 308342015) (** Table 308342015	Chemistry 82. Niddle 2300132223 Chemistry 850 Mill 7683056512	BO S S S S S 80 Komal Bhandul 230032204 Chemithy B.S.C. THE M 807640081	5 1 1 1 1 1 1 1 1 1	931.04074 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	73 Deepak 200182000 chamithy 830 Yet 74829200	55. 56. 57. 58. 72 Kolloch 22018:003 cheming 85. Th 928711981	10 Thomas was founded to the man of the man	88 SALVINE SON CEDERAL REMAINER ASC 11184	66 2000 1900 1900 1900 1900 1900 1900 1900	2 2 2 64. Wy gene voich 22001912001 5th Asighting 1 1st, 88870089	63. Shareta Aupta 1900194054 " 9.5888586"	62 Amil 1. Mall la nama 1 Tool Not 1 1 6 1 98 60 3 942 58	50. Dipelland sham are retired electronics PHO	95 2 10 10 10 10 10 10 10 10 10 10 10 10 10	4.5 C1 A State GML University established Sectors, Bank Se	(Recognised by UGC under Section 2 ft a.
15.	Confidence of the state of the	200132203 (** Table 2001322015) (** Table 308342015) (** Table 308342015	Chemistry Chemistry Chemistry 82. Nieth 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223 Chemistry 850 Middle 2300132223	Stability pre II are human sportstood more 18 28 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	To John Growth I Soot 32 201 Charlety Brice III rd	93104078 11 11 11 11 11 11 11 11 11 11 11 11 11	73 Deepak 200182000 chamithy 830 Yet 74829200	55. 56. 57. 58. 72 Kollach 2200 Back Chemical BSC Th	galant 10 Thumble executes thought like The a	88 STULLETT COURTS WITH SC III'M 7 23 call 22 A6 Chemistry BSC III'M 7	66 James 230032049 Chamatay B.d. II'd	2 2 2 64. Wy gene voich 22001912001 5th Asighting 1 1st, 88870089	63 Shareta Aupta 1100 Holdy 11 1 2 1 9	62 Amily Kuman Haordach , 6th 886334248 6	60. Dipellant sum scallenge duterics PHD 3 mg	9591181835 BB 2 Tabilistian ROLLING SKPT GALLIN LANGE MICH.	4.5 C1 A State GML University established Sectors, Bank Se	(Recognised by UGC under Section 2 ft a. (Recognised by UGC under Section 2 ft



J. C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA, FARIDABAD

(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22)

Accredited 'A+' Grade by NAAC

एंड्री वी. शिबाएव ने स्मार्ट पॉलिमर सामग्री को लेकर दी जानकारी

जे.सी. बोस विश्वविद्यालय द्वारा विशेषज्ञ व्याख्यान का आयोजन

फरीदाबाद, महावीर गोयल (पंजाब केसरी): जे.सी. बोस विज्ञान एवं प्रौद्योगिकी विश्वविद्यालय, वाईएमसीए, फरीदाबाद के रसायन विज्ञान विभाग द्वारा आज एक ज्ञानवर्धक विशेषज्ञ व्याख्यान का आयोजन किया गया। 'बायोमेडिसिन, ऊर्जा-संबंधी अनुप्रयोगों, सेंसर और एक्ट्यूएटर्स के लिए स्मार्ट पॉलीमेरिक सामग्री' विषय पर व्याख्यान को स्पेन के लेओआ में बास्क सेंटर फॉर मैटेरियल्स के वरिष्ठ अनुसंधान सहयोगी डॉ. एंड्री वी. शिबाएव ने संबोधित किया।

कार्यक्रम की शुरुआत रसायन विज्ञान विभाग के अध्यक्ष डॉ. रवि कुमार द्वारा अतिथि वक्ता के स्वागत तथा उनके



कार्यशाला के समापन सत्र के बाद समूह चित्र में मुख्य अतिथि डॉ. एंड्री वी. शिबाएव विभागाध्यक्ष डॉ. रवि कुमार के साथ प्रतिभागी।

संक्षिप परिचय के साथ हुई। इसके बाद डॉ. एंड्री ने सफेंक्टेंट के विस्कोइलास्टिक व्यवहार, पॉलिमर चेन उलझाव की भूमिका, नैनो-जेल के स्व-उपचार गुणों और पॉलिमर कंपोजिट और आयनिक तरल पदार्थों के न्यूट्रॉन बिखराव पर गहन चर्चा करते हुए प्रतिभागियों को विषय वस्तु के साथ जोड़ा। कुलपति प्रो. सुशील कुमार तोमर ने अपने संदेश में सामग्री विज्ञान के क्षेत्र में 'स्मार्ट' पॉलिमर के महत्व पर बल दिया। उन्होंने उन्तत सामग्रियों के लिए बायोडिग्रेडेबिलिटी, ग्रीन सिंथेटिक प्रोसेसिंग और अपशिष्ट प्रबंधन मुद्दों के समाधान पर ध्यान केंद्रित करने की आवश्यकता पर प्रकाश डाला। ग्रो. तोमर ने बताया कि प्लास्टिक कचरे की चुनौती विज्ञान और समाज दोनों की सामृहिक विफलता है, और पाठ्यपुस्तक सिद्धांत से लेकर व्यावहारिक दैनिक जीवन के अनुप्रयोगों तक पॉलिमर की बायोडिप्रेडेबिलिटी प्राप्त करने के लिए टोस प्रयासों की आवश्यकता है। उन्होंने विशेष रूप से ऑप्टिकल ट्रैकिंग के संबंध में बायोमेडिसिन में पॉलिमर के उभरते महत्व पर भी बल दिया।

डॉ. अनुराग प्रकाश और डॉ. सुनील कुमार ने कार्यक्रम का संयोजन किया। अपने समापन संबोधन में डॉ. सुनील कुमार ने आमंत्रित वक्ता, प्रतिभागियों और विशेष रूप से कुलपित प्रो. तोमर और कुलसचिव डॉ. मेहा शर्मा को कार्यक्रम के संचालन में उनके समर्थन के लिए आभार व्यक्त किया। सेमिनार में लगभग 100 प्रतिभागियों ने हिस्सा लिया। डॉ. रवि कुमार ने डॉ. एंड्री के विश्वविद्यालय दौरे और सामग्री अनुप्रयोगों को लेकर अपनी विशेषज्ञता साझा करने के लिए उनकी सराहना की।

यूनिवर्सिटी के सेमिनार में छात्रों ने लिया हिस्सा



एनबीटी न्यूज, फरीदाबाद : जेसी बोस यूनिवर्सिटी के रसायन विज्ञान विभाग की तरफ से विशेषज्ञ व्याख्यान हुआ। इस दौरान स्पेस के बास्क सेंटर फॉर मटीरियल्स के विरेष्ठ अनुसंधान सहयोगी डॉ. एंड्री वी शिबाएव ने बायोमेडिसिन, ऊर्जा-संबंधी अनुप्रयोगों, सेंसर और एक्ट्यूएटर्स के लिए स्मार्ट पोलिमेरिक सामग्री विषय पर छात्रों को संबोधित किया। रसायन विज्ञान विभाग के अध्यक्ष डॉ. रिव कुमार ने अतिथि वक्ता का स्वागत किया। व्याख्यान में लगभग 100 प्रतिभागियों ने हिस्सा लिया। इस दौरान डॉ. सुनील कुमार, डॉ. अनुराग प्रकाश, डॉ. रिव कुमार मौजूद रहे।

--*