

DEPARTMENT OF PHYSICS

Title : Guest Lecture on “The Diverse Applications of Nanomaterials”

Date : 27.07.2017

Resource Person : Dr. S. Abraham John, Director for Nanoscience and Nanotechnology, Gandhigram Rural University, Gandhigram

No. of Participants : 126

Focus on : **Entrepreneurship & Skill Development**

Outcome

- The participants acquired knowledge about Nanomaterials and application of Nanotechnology which has a wide range of applications in geology, material science, environmental science, chemistry, forensic science, and the pharmaceutical industry, among others.

Report:

Today Nanotechnology has emerged as a field that has revolutionized the world ranging from simple food packaging articles to medicinal therapeutics. Nanotechnology has been applied to create molecules possessing dimensions according to the type of application desired and nanosized sized objects have found application in most of the fields in sciences. So sensing the need of the hour to educate the young physicists about this field, the Dept of Physics arranged a Guest lecture on “**The Diverse Applications of Nanomaterials**” on 27.07.2017. It was delivered by **Dr. S. Abraham John, Director for Nanoscience and Nanotechnology, Gandhigram Rural University, Gandhigram** at the San Jose seminar hall in the Premises of Fatima College.

He gave a detailed overview of the synthesis, properties and applications of nanomaterials. He threw light on the different groups including fullerenes, metal NPs, ceramic NPs, and polymeric NPs. Also, he spoke on the unique physical and chemical properties due to their high surface area and nanoscale size. And showed that their optical properties are reported to be dependent on the size, which imparts different colours due to absorption in the visible region and that promises much more applications in optical frequencies. Around 100 students participated and this talk was extremely useful as the

technique has wide range of applications in geology, material science, environmental science, chemistry, forensic science, and the pharmaceutical industry, among others.



PROF. ABRAHAM JOHN INTERACTING WITH THE AUDIENCE DURING HIS LECTURE ON DIVERSE APPLICATIONS OF NANOMATERIALS.

List of Student Participants

S.No	Reg.No	Name
1	2015P01	ABINAYARANI B
2	2015P02	AKILA V
3	2015P03	ANNIE ASWINI SHERIN J
4	2015P04	ARUNA J
5	2015P05	BEULA CHRISTY J
6	2015P06	BHAVANI SRI BHARATHI S
7	2015P07	BUELA CELIN L
8	2015P08	CAROL FRANCY JENOVA J
9	2015P09	DHARANI @ ROOBA PRIYA
10	2015P10	DHILIBA A
11	2015P11	DHIVYA M
12	2015P12	DHIVYA BHARRATHI J
13	2015P13	FAHMEETHA FATHIMA S
14	2015P14	FAZMIN A
15	2015P15	IKSHANA RABIYA N
16	2015P16	JANANI V
17	2015P17	JANU S

18	2015P18	JASMINE ROSY A
19	2015P19	JENIFER LINCY X
20	2015P20	JERRIES INFANTA J
21	2015P21	JEYAPRIYA M A
22	2015P22	LOURDU JENIFER K
23	2015P23	MEGARAJ BEGAM M
24	2015P24	MICHLINE SANTHIYA M
25	2015P25	NARTHANA P
26	2015P26	NIKSHALA A
27	2015P27	NILA A
28	2015P28	NIVETHA S
29	2015P29	PATHUVAI VIMALI M
30	2015P30	PERARASI ELAKKIYA E
31	2015P31	PRATHIMA J
32	2015P32	PRAVEENA R
33	2015P33	PREETHA A
34	2015P34	RAGAVI K
35	2015P35	REGINA S
36	2015P36	RENE MARY AMIRTHA S
37	2015P37	ROSELIN FERNANDEZ C
38	2015P38	SRI VARSHINI S
39	2015P39	STARLINA P
40	2015P40	STELLA PIONA LEON K
41	2015P41	SUBALAKSHMI R
42	2015P42	SUPALDI SEBASTINA P
43	2015P43	SWATHI BOSENI K
44	2015P44	SWETHA R
45	2015P45	VALLI
46	2015P46	VIRGINPRAGASPATHI
47	2015P47	YAZHINI
48	2015P48	ABIRAMI B
49	2015P49	ANITHA S
50	2016P01	ANTONIT AGNEL J
51	2016P02	AARTHE S R
52	2016P03	ALJAKARAN S
53	2016P04	ANISHBANU A
54	2016P05	ARUNA T
55	2016P06	CATHERINE CHITRA A
56	2016P07	CHRISTINA RANI X
57	2016P08	DAYANA ROSE M S
58	2016P09	DELMA KIRUBA PRINCY S
59	2016P10	GAYATHRI G
60	2016P11	JERIN A
61	2016P12	JEYA YAMINI J
62	2016P13	MEERA NAACHIYAR R

63	2016P14	MERRY FEMINA J
64	2016P15	MUTHU KRISHNAVENI M
65	2016P16	MUTHU LAKSHMI G
66	2016P17	NANCY DIANA B
67	2016P18	NANDHINI S
68	2016P19	SALMA HAIKE A
69	2016P20	SELVARANI K
70	2016P21	SHAKINA AFRIN M
71	2016P22	SHANMUGA PRIYA P
72	2016P23	SHARMILA J
73	2016P24	SHARMILI T
74	2016P25	SHERIN J
75	2016P26	SHINY FATHIMA MARY A
76	2016P27	SRI GAYATHIRI DEVI S K
77	2016P28	VIVETHA S K
78	2016P29	IRUDAYA NICHOMI S
79	2016P30	JACKLIN S
80	2016P31	JAFRIN REENA R
81	2016P32	JENIFER A
82	2016P33	JENIFER K
83	2016P34	JENI KAMALA SARO K
84	2016P35	JERLIN FATI RANJITHAM E
85	2016P36	JOSIBA AROCKIA PAVITHRA A
86	2016P37	KEERTHIGA V
87	2016P38	KENCY HEBSIBA S
88	2016P39	LEENA A S
89	2016P40	MAHALAKSHMI M
90	2016P41	MARYEON NIVETHA A
91	2016P42	MELANI M
92	2016P43	MERLIN SAVARIAMMAL J
93	2016P44	MOHANAPRIYA K P
94	2016P45	MUTHULAKSHMI R
95	2016P46	NIKITHA J
96	2016P47	PRISKILA L
97	2016P48	PRITHIKA C
98	2016P49	RAJALAKSHMI S U
99	2016P50	RAJNIVETHA M
100	2016P51	RAMYA R
101	2016P52	REOLIN RM
102	2016P53	SANGEETHA R
103	2017MSCP0 1	SANTHIYA R
104	2017MSCP0 2	SEBASTIN ANITHA J

105	2017MSCP0 3	SESHTA S
106	2017MSCP0 4	SHEEBA JESIN MERCY S
107	2017MSCP0 5	SOWMIYA PUSHPA J
108	2017MSCP0 6	SOWMYA P
109	2017MSCP0 7	SUBALAKSHMI O
110	2017MSCP0 8	SWEATHA N
111	2017MSCP0 9	VINOTHA V
112	2017MSCP1 0	YOGADHARSHINI
113	2017MSCP1 1	SALMA HAIKE A
114	2017MSCP1 2	SELVARANI K
115	2017MSCP1 3	SHAKINA AFRIN M
116	2017MSCP1 4	SHANMUGA PRIYA P
117	2017MSCP1 5	SHARMILA J
118	2017MSCP1 6	SHARMILI T
119	2017MSCP1 7	SHERIN J
120	2017MSCP1 8	SHINY FATHIMA MARY A
121	2017MSCP1 9	SRI GAYATHIRI DEVI S K
122	2017MSCP2 0	VIVETHA S K
123	2017MSCP2 1	JERIN A
124	2017MSCP2 2	JEYA YAMINI J
125	2017MSCP2 3	MEERA NAACHIYAR R
126	2017MSCP2 4	MERRY FEMINA J

