



Shri Shivaji Education Society Amravati's
Science College

Congress Nagar, Nagpur
Accredited with CGPA of 3.51 at 'A+' grade



M.Sc. Sem IV – Projects (Summer 2021-22)

Sr. no.	Title	Name	Name of Guide	Name of Co-Guide
1	Analysis of phosphor used in UV-therapy	Aishwarya Khandait	Dr. S. W. Anwane	Ms. Roshni Pahuja
2	Synthesis and structure characterization of Ni Doped zinc spinal ferrites using sol-gel auto combustion method	Akash Raut	Dr. S. W. Anwane	Dr. Gajanan Jadhav
3	Synthesis and study of photoluminescence properties of complexes of Ni(II) and Fe(III) with 8-hydroxyquinoline	Aniket Dhakate	Dr. S. W. Anwane	Mr. Yashpal Pawar
4	Synthesis and study of photoluminescence properties of complexes of Pb(II) and Cu(II) with 8-hydroxyquinoline	Arpit Kawale	Dr. S. W. Anwane	Mr. Yashpal Pawar
5	Study of luminescence properties of CaSO ₄ :Zr(1%) for UV phototherapy applications	Bhagyashri Deoghare	Dr. S. W. Anwane	Ms. Isha Kapte
6	Synthesis and study of UV-emitting phosphor for UV therapy applications	Bhagyashri Talmale	Dr. S. W. Anwane	Ms. Isha Kapte & Ms. Roshni Pahuja
7	Synthesis and study the structural properties of B-side doped Double Perovskite material	Chanda Jatgade	Dr. S. W. Anwane	Dr. Shahin Sayyad
8	Structural characterization of Double Perovskite materials	Kanchan Jivnapurkar	Dr. S. W. Anwane	Dr. Shahin Sayyad

9	Synthesis and photoluminescence study of strontium salts with 2-methyl-8-hydroxyquinoline and 8-hydroxyquinoline	Khushboo Jamgade	Dr. S. W. Anwane	Ms. Isha Kapte
10	Ultrasonic and Spectroscopic investigation of aqueous polyvinyl (PVA) alcohol solutions	Mayur Bedarkar	Dr. S. W. Anwane	Dr. Sugandha Khangar
11	Synthesis and characterization of aluminium and zinc (8-hydroxyquinoline) compound for application in OLED	Nivedita Bhoutkar	Dr. S. W. Anwane	Ms. Isha Kapte
12	Study of photoluminescence properties of phosphor added polysterene thin films	Payal Mule	Dr. S. W. Anwane	Dr. Ragini Dhokne
13	Synthesis and optical properties of Ni ²⁺ Doped Zn Spinel ferrite by auto combustion method	Priyanka Rahangdale	Dr. S. W. Anwane	Dr. Gajanan Jadhav
14	Ultrasonic and Spectroscopic investigation of aqueous Polyvinyl Pyrrolidone (PVP) solutions	Roshni Pardhi	Dr. S. W. Anwane	Dr. Sugandha Khangar
15	Synthesis and study of photoluminescence properties of complexes of Mn (II) and Co (III) with 8-hydroxyquinoline	Sadhana Thombare	Dr. S. W. Anwane	Mr. Yashpal Pawar
16		Sakshi Ganjare	Dr. S. W. Anwane	Mr. Bhupendra Kumbhare
17	Ultrasonic and Spectroscopic study of aqueous polyacrylamide (PAA) solutions	Sakshi Gonmare	Dr. S. W. Anwane	Dr. Sugandha Khangar
18	Synthesis and characterization of aluminium doped calcium hexa-ferrite by microwave-assisted auto combustion method	Samiksha Dangore	Dr. S. W. Anwane	Dr. Ragini Dhokne
19	Structural property of ZnNiFe ₂ O ₄ by using sol-gel auto combustion method	Savi Kukde	Dr. S. W. Anwane	Mr. Bhupendra Kumbhare

20	Sol-gel auto-combustion: Optical properties of $ZnNiFe_2O_4$	Shraddha Kalbandhe	Dr. S. W. Anwane	Dr. Gajanan Jadhav
21	Synthesis and characterization of phosphor used in UV therapy	Snehal Ghugal	Dr. S. W. Anwane	Ms. Roshni Pahuja & Ms. Isha Kapte
22	Synthesis and study of the properties of Double Perovskite ($Sm_2Ni_{0.5}Mn_{0.5}O_6$)	Suchita Lanjewar	Dr. S. W. Anwane	Dr. Shahin Sayyad
23	Synthesis and characterization of Calcium and Cadmium 8- hydroxyquinoline compounds for applications in OLED	Tanisha Chawala	Dr. S. W. Anwane	Ms. Isha Kapte
24	Study of optical properties of $ZnNiFe_2O_4$ by using sol- gel auto combustion method	Utkarsha Kamble	Dr. S. W. Anwane	Mr. Bhupendra Kumbhare



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