



Sangola Taluka Shetkari Shikshan Prasarak Mandal Sangola's

Vidnyan Mahavidyalaya, Sangola

Tal-Sangola, Dist-Solapur, MH- 413307, India.

(Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur)

Department of Physics in collaboration with Internal Quality Assurance Cell (IQAC) organizes an **International e-Conference on Recent Trends in Nano-Materials and Its Applications-2022 (RTNA-2022)** Dated on April 22-23, 2022, Conference E-mail:2022rtna@gmail.com

-:Oral and Poster Presentations:-

Oral Presentations

(Date: April 22, 2022)

OP1) Self-focusing of Gaussian Laser Beam in Collisionless Plasma with Linear Absorption

Author: **Mr. Kalyani Y. Khandale**, Shivaji University, Kolhapur

OP2) Simulations Commercial BJT with Temperature for Space and Radiation Rich Environment Applications.

Author: **C M Dinesh**, Department of Physics, Govt. First Grade College and PG centre, Chintamani-563125, India.

OP3) Study of Dielectric and Field Modulation studies in Polymer Nanocomposites,

Author: **C. V. Chanmal**, DBF Dayanand College of Arts and Science, Solapur

Poster Presentations

(Date: April 23, 2022)

PP1) Antimicrobial activity of CdS quantum dots mediated by *Aegle marmelos* leaves

Authors: **T.R. Deore**, M D Dhiware, S.B. Nahire, A.B. Gawande

PP2) CuO nanoparticles mediated by Coffee powder extract: An Impeder of *Candida albicans* biofilm

Authors: **P. G. Jadhav**, A.B. Gawande

PP3) High stability $Mn_2O_3/MnCO_3$ microcubes synthesized by hydrothermal method for supercapacitor application

Authors: **O. C. Pore**, D. S. Sawant, A. S. Shelake, D. B. Mane, V. J. Fulari, G. M. Lohar

PP4) Growth study on entire replacement of Zn by Mn into $\text{Cu}_2\text{ZnSnS}_4$ thin films by SILAR method

Authors: **H. C. Yadav**, B. V. Patil, S. S. Dhere, R. M. Shaikh , S. B. Duchal , A. M. More

PP5) Thin Films of $\text{Cu}_2\text{ZnSnS}_4$ (CZTS) grown via replacement of Zn by Mg using SILAR method

Authors: **A. K. Bagal**, M. S. Shinde, K. S. Gund, G .V. Patil, A. M. Rajage, A. M. More