

D.B. PAMPA COLLEGE, PARUMALA P.O., MANNAR

PROFILE OF THE MEMBERS OF THE FACULTY OF PHYSICS

NAME Dr.SATHYAJITH S

DESIGNATION Assistant Professor

DEPARTMENT Post Graduate Department of Physics

DATE OF JOINING SERVICE 01/06/2015

TEACHING EXPERIENCE

PG LEVEL 2 Year 1 Month

UG LEVEL 2 Year 1 Month

EDUCATIONAL QUALIFICATIONS AND ACHIEVEMENTS

DEGREE	UNIVERSITY	SUBJECT	DIVISION	YEAR OF PASSING	REMARKS
PhD	VIT University, Vellore	Physics		2012	
BEd	Kerala University	Physics Science	First Class	2008	
MSc	Kerala University	Physics	First Class	2008	
B.Sc	Kerala University	Physics	First Class	2005	

AREA OF RESEARCH AND TITLE OF THESIS

*Ph.D-**Study of Laser shot Peening using low energy laser and its effect on surface properties of aluminum alloys and austenitic stainless steels.***

SEMINARS ATTENDED

PAPERS PRESENTED

International Conferences

International conference on materials and Processing, VIT University, Vellore. March 10-12-2014. **S.Sathyajith,S.Kalainathan**

The 4th International Conference on Laser Peening and Related Phenomena. **S.Sathyajith** and S.Kalainathan. Madrid Spain MAY 6-10.2013

Second International Conference of Advances in Material processing and Characterization (AMPC-2013).**S.Sathyajith** and Kalainathan Feb 6-8 Anna University, Chennai.

Effect of Laser Peening without Coating on 316L austenitic stainless steel. **S.Sathyajith**, S.Kalainathan ,ICMST-12,Pala,Kerala,India. June-10-14.2012

Laser shock processing to improve surface properties of precipitation hardened aluminum alloy 6061. The 3rd International Conference on Laser Peening and Related Phenomena. **S.Sathyajith**. S.Kalainathan. S.swaroop Osaka, Japan on October 11-14, 2011.

Improvement of surface properties of Austenite Stainless steel by Laser Shock Processing **S.Sathyajith**,S.Kalainathan. 23rd International Conference on Surface Modification Technologies (SMT 23) 2-5 ,November 2009

National Conference

National Laser Symposium, Feb 6-9 ,2013 , Bharath Atomic Research Centre, Mumbai.**S.Sathyajith**, S.Kalainathan, S.Swaroop

Structural, Thermal and optical properties of non linear optical material 4 methoxy benzaldehyde -N-methyl 4-stilbazolium tosylate. Amirdha Sher Gill, **Sathyajith. S**, S. Kalainathan .National laser symposium, Indore, Dec 1-3.

Nonlinear optical crystal – 4- hydroxy N - methyl 4 – stilbazolium- – synthesis, growth and characterization. Amirdha Sher Gill, Sathyajith .S and S. Kalainathan .; 14th National seminar on crystal growth; VIT University, March 10-12, 2010.

PUBLICATIONS

ELSEVIER JOURNALS

Sathyajith, S. and S.Kalainathan (2012). Laser shot peening of precipitation hardened Aluminum alloy 6061-T6 using low energy Nd:YAG laser, Opt. Lasers Eng, Vol. 50 ,pp. 345–348.

Impact Factor : 1.916

Kalainathan, S., S.Sathyajith, S.Swaroop (2012). Effect of laser shot peening without coating on the surface properties and corrosion behaviour of 316L steel . Opt. Lasers Eng, Vol. 50 ,pp. 1740-1745.

Impact Factor : 1.916

Sathyajith,S., S.Kalainathan, S.Swaroop (2013). Laser peening without coating on aluminum alloy Al-6061-T6 using low energy Nd:YAG laser, Optics & Laser Technology, Vol.45, pp.389-394
Impact Factor : 1.365

Material Science Forum

Sathyajith,S., S.Kalainathan, S.Swaroop(2012). Laser shot peening of 304 austenitic stainless steel without protective coating, Materials Science Forum, Vol.699, pp.131-140.
Impact Factor : .4

Appeared as Technical Note in “ The Review of Laser Engineering “ published by Laser society of Japan

S.Sathyajith, Kalainathan, S S.Swaroop (2014). Laser Shot Peening to Improve surface Properties of Precipitation Hardened Aluminum Alloy Al-6061-T6. The Review of Laser Engineering, June 2014

IOP Science

Effect of Laser Peening without Coating on 316L austenitic stainless steel, S.Sathyajith, Kalainathan, IOP Conf. Series: Materials Science and Engineering 73 (2015) 012152

RESEARCH PROJECTS Nil

UGC MAJOR RESEARCH PROJECT

TITLE

YEAR

RESRESEARCH PROJECTS

UGC MINOR RESEARCH PROJECT

TITLE

YEAR

POSITIONS HELD

NAME OF POST	INSTITUTION	YEAR/DURATION

SOCIAL ACTIVITIES

POSITIONS HELD IN VARIOUS COMMITTEES IN COLLEGE

2016-2017- Career and Guidance cell coordinator D.B College Thalayolaparambu

2016-2017- WWS D.B College Thalayolaparambu

PERSONAL INFORMATION

RESIDENTIAL ADDRESS

DATE OF BIRTH 13/05/1985

BLOOD GROUP O +ve