



AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF, Chennai – 600 055.

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DEPARTMENT OF INFORMATION TECHNOLOGY

NAME & INITIALS	Dr. S. Sathish	
DESIGNATION	ASSOCIATE PROFESSOR	
EDUCATIONAL QUALIFICATION	B.E, M.E, Ph.D	
EXPERIENCE	15.7 YEARS	
DATE OF JOINING	06 / 01 / 2011	
EMAIL ID	s.sathish@aalimec.ac.in	
AREA OF SPECIALISATION	SURFACE COATINGS, TRIBOLOGY	

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
B.E	MECHANICAL	NOORUL ISLAM COLLEGE OF ENGINEERING	MANONMANIAM SUNDARANAR UNIVERSITY	2001
M.E	PRODUCTION	ANNAMALAI UNIVERSITY	ANNAMALAI UNIVERSITY	2002
Ph.D	MECHANICAL	VIT VELLORE	VIT VELLORE	2011

PROFESSIONAL MEMBERSHIPS

INSTITUTE OF RESEARCH ENGINEERS AND DOCTORS

INTERNATIONAL ASSOCIATION OF ENGINEERS

SEEK DIGITAL LIBRARY

FDP ATTENDED

[**SAMPLE**] Attended an AICTE sponsored QIP Short term Course on Computer Networks Fundamentals to the State-of-the Art Technologies , from 18th-29th February 2008 at Ramanujan Computing Centre

(RCC),Anna University Chennai.

WORKSHOPS ATTENDED

SEMINARS ATTENDED

- Presented a paper entitled “Microstructure and Immersion behavior of plasma sprayed bi-layered ceramic coatings” in MSAT-8 Conference held at Bangkok, Thailand (Dec 2014) – Funded by Department of Science and Technology.
- Presented a paper entitled “ Investigation on the Corrosion behavior of the bilayered ceramic coatings deposited using Atmospheric Plasma spraying” in INTER-ENG 2013 Conference held at Petru Maioruniversity, Tirgu Mures, Romania (Oct 2013) – Funded by Aalim Muhammed Salegh College of Engineering.
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PUBLICATION DETAILS

[**SAMPLE**] V.Vijaypriya, A.Samydurai, Chenthamarai Selvam, Hijo Joy, “Windows Application Development Using PC for Multiple Modbus Slave Devices”, International Journal of Innovative Research in Computer and Communication Engineering, Vol. 6, Issue 3, March 2018.

S.Sathish, S.Ramkumar, M.Geetha. Drilling performances and wear characteristics of coated drill bits during drilling reincoreced concrete. International Journal of Applied Ceramic Technology,

S.Sathish, N.D.Pandey, C.Richard, M.Geetha, R.Asokamani. Studies on the tribological behavior of the laser nitrided biomedical Ti and its alloys. Actes des jounees internationals francophones de tribologie (JIFT 2007), ISBN: 978-2-88074-834-0.

S.Sathish, M.Geetha, R.Asokamani. Comparative studies on the Corrosion and Scratch behaviors of Plasma sprayed ZrO_2 and WC-Co coatings. Procedia Materials Science, Elsevier Publication, Vol.6(2014)1489-94.

S.Sathish, C.S.Swaminathan, C.Senthilvel, B.Dilip Jerold, Mohd.F.Shabir, M.Geetha. Investigation on the corrosion behavior of the bilayered ceramic coatings deposited using atmospheric plasma spraying, Procedia Technology, Elsevier Publication, Vol.12(2014) 301-307.

S.Sathish, M.Geetha.Effect of Alumina addition on the Microstructure and Mechanical Properties of Metal Inert Gas welded low carbon steel. Transactions of the Indian Ceramic Society, Taylor&Francis Publication, Vol.76(2017)1-7.

S.Sathish, M.Geetha. Comparative studies on the corrosion behavior of plasma sprayed Al_2O_3 , ZrO_2 , Al_2O_3/ZrO_2 and ZrO_2/Al_2O_3 coatings. Transactions of non ferrous metal society of china, Elsevier Publication, Vol.26(2016)1336-44.

S.Sathish, M.Geetha. Microstructure and Corrosion behavior of plasma sprayed Bilayered Ceramic coatings. Transactions of the Indian ceramic society, Taylor&Francis Publication, Vol.73(2015)1-7.

R.Ravi raja Malarvannan, T.V.Moorthy, S.Sathish, P.Hariharan. Investigation on the Corrosion behavior of Physical Vapor deposition coated high speed steel, Advances in Mechanical Engineering, Sage publication, Vol.7(2015)1-5.

M.Geetha, S.Sathish, K.Chava, S.V.Joshi. Detonation gun sprayed Al_2O_3 -13 TiO_2 coatings for biomedical applications, Surface Engineering, Maney Publication, Vol.30(2014)229-36.

S.Sathish, M.Geetha, A.Udaya kumar, S.Senthilkumar, R.Asokamani. Granulation of Nano Alumina Powder for Improved Flowability by Spray Drying, Transactions of the Indian Institute of Metals, Springer Publication, Vol.65(2012)485-90.

S.Sathish, M.Geetha, S.T.Aruna, N.Balaji, K.S.Rajam, R.Asokamani. Sliding wear behavior of plasma sprayed nano ceramic coatings for biomedical applications, Wear, Elsevier Publication, Vol.271(2011)934-41.

S.Sathish, M.Geetha, S.T.Aruna, N.Balaji, K.S.Rajam, R.Asokamani. Studies on plasma sprayed bi-layered ceramic coating on bio-medical Ti-13Nb-13Zr alloy, Ceramics International, Elsevier Publication, Vol.37(2011)1333-39.

S.Sathish, M.Geetha, N.D.Pandey, C.Richard, R.Asokamani. Studies on the corrosion and wear behavior of the laser nitrided biomedical titanium and its alloys, Materials Science & Engineering C, Elsevier Publication, Vol.30(2010) 376-82.

S.Sathish, V.Anbarasan, M.Geetha, R.Asokamani. Corrosion resistance of laser nitrided commercially pure titanium and Ti-13Nb-13Zr biomedical alloys, Transactions of the Indian Institute of Metals, Springer Publication, Vol.61(2008) 235-38.

CONFERENCE DETAILS

- Presented a paper entitled “Wear behavior of the newly developed biomedical beta titanium alloy” in TMS Annual meeting 2010 held at Seattle, U.S.A (Feb 2010) – Funded by Department of Science and Technology.
- Presented a poster entitled “Wear behavior of nanoceramic coated biomedical Ti -13Nb-13Zr alloy” in SMT conference at Mamallapuram (November 2009).
- Participated in Summer Training Program regarding “Advanced Material Characterization Technique” at IISC Bangalore (July 2009).
- Presented a paper entitled “Nano structured Al₂O₃-13TiO₂ plasma sprayed coating on titanium alloy suitable for biomedical application” in ‘RASE’ conference at NAL Bangalore

(February 2009).

- Participated in workshop regarding Metallurgy for Non – Metallurgist at IIT –Chennai (March 2008).
- Participated in training program regarding “Surface Modification Techniques” at IIT Chennai (February 2008).
- Presented a poster entitled corrosion resistance of Laser nitrided Cp-Ti and Ti-13Nb-13Zr alloy in METALLO conference at IIT Kanpur (November 2007).
- Presented a paper in DST – NSNT conference entitled “Surface modification of Titanium alloys using Plasma spraying” (February 2007).
- Participated in Indian Laser Association (ILA) at CAT-Indore (December 2006).

ACHIEVEMENT DETAILS

- Received “**Distinguish Scientist Award**” from S.C.Ray Educational Trust, Kolkata on 15th October 2018.
- Delivered an invited talk on “Advances in surface engineering and nano technology” at Government College of Engineering, Bargur.
- Delivered an invited talk on “Surface modification of Titanium alloys for biomedical application” at K.J Hospital, Chennai.
- Received “**Out Standing Faculty Award**” from Venus International Foundation, Chennai on 7th July 2018.
- Received “**Young Faculty Achieve Award 2018**” from Engineering Professional Society, Coimbatore on 6th May 2018.
- Received “**Research Excellence Award**” from “Institute for Exploring Advances in Engineering” on 25th July 2018.