



RESEARCH SCHOLAR PROFILE

NAME	KONDAIAH GUDIMETLA
ROLL NO	412112007
RESEARCH GUIDE	Dr. B. Ravisankar
BATCH	SEP- 2012
RESEARCH AREA	Equal Channel Angular Pressing (ecap)

- 1.Kondaiah Gudimetla, Batsala Naveen, S. Ramesh Kumar, B. Ravisankar, S. Kumaran, "Consolidation of Al-5083 Alloy Powders by Equal Channel Angular Pressing" International Journal of Materials and Product Technology, Under Review (ISSN print: 0268-1900, Impact factor: 0.488, SCIE Journal)
- 2. S. Ramesh Kumar, Kondaiah Gudimetla, B. Tejaswi, B. Ravisankar, "Effect of Microstructure and Mechanical properties of Al-Mg Alloy processed by ECAP at Room Temperature and Cryo Temperature" Transactions of Indian Institute of Metals, vol. 70 (3) (2017) pp 639-648. (ISSN print: 0972-2815, Impact factor: 0.91, SCIE Journal)
- 3. Chandra Sekhar Kondaveeti, Sai Prakash Sunkavalli, Durgarao Undi, L. V. Hanuma Kumar, Kondaiah Gudimetla, Balasubramanian Ravisankar, "Metallurgical and Mechanical Properties of Mild Steel Processed by Equal Channel Angular Pressing (ECAP)" Transactions of Indian Institute of Metals, (2016) pp 1-5. (ISSN print: 0972-2815, Impact factor: 0.91, SCIE Journal)
- 4. Kondaiah Gudimetla, S. Ramesh Kumar, B. Ravisankar, S. Kumaran, "Densification of Al 5083 Mechanically Alloyed Powder by Equal Channel Angular Pressing" Transactions of Indian Institute of Metals, vol. 68 (2015) pp 171-176. (ISSN print: 0972-2815, Impact factor: 0.91, SCIE Journal)
- 5. S. Ramesh Kumar, Kondaiah Gudimetla, P. Venkatachalam, B. Ravisankar, K. Jayasankar, "Microstructure and mechanical properties of Al 7075 alloy processed by Equal Channel Angular Pressing" Materials Science and Engineering A, vol. 533 (2012) pp 50-54. (ISSN: 0921-5093, Impact factor: 3.4, SCI Journal)
- 6. S. Ramesh Kumar, Kondaiah Gudimetla, P. Venkatachalam, B. Ravisankar, "Stress corrosion cracking of Al7075 alloy processed by equal channel angular pressing" International Journal of Engineering, Science and Technology, vol. 2, No. 12, 2010, pp. 53-61. (ISSN: 2141-2839, Non Scopus Journal)





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RESEARCH SCHOLAR PROFILE

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NAME	K. Tejonadha Babu
	412112002
ROLL NO	
	Dr. S. Muthukumaran
RESEARCH GUIDE	
	2012
BATCH	
RESEARCH AREA	Friction Stir Welding of similar and dissimilar aluminum alloys.

- 1. A Study on Grain Size, Mechanical Properties and First Mode of Metal Transfer in Underwater Friction Stir Welded AA5052-O, K. Tejonadha Babu, S. Muthukumaran and C.H. Bharat Kumar, Key Engineering Materials, Vol. 775, pp 466-472.
- 2. Mechanical, metallurgical characteristics and corrosion properties of friction stir welded AA6061-T6 using commercial pure aluminium as a filler plate, KT Babu, PK Kumar, S Muthukumaran,,Procedia Materials Science 6, 648-655.
- 3. Effect of R-DSFSW on Mechanical and Metallurgical Properties of Commercial Pure Aluminum, KT Babu, P Athul, PK Kumar, S Muthukumaran, Procedia Materials Science 5, 795-801.
- 4. Microstructure and mechanical properties of double shoulder friction stir welded commercial pure aluminum, K Tejonadha Babu, P Kranthi Kumar, S Muthukumaran, OPJIT international journal of innovation and research Vol.-3, No.-1 Special issue on metallurgical and materials processes, products and applications.





RESEARCH SCHOLAR PROFILE

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NAME	M.P.Shankar
ROLL NO	412113005
RESEARCH GUIDE	Dr.K.Sivaprasad
ВАТСН	2013
RESEARCH AREA	Welding and corrosion studies of Aluminium 2014 Alloys

PUBLICATIONS IN THE SCHOLARLY JOURNALS

[1] R.Sokkalingam, MP Shankar, Anoop K Unni, K Sivaprasad and Veerappan Muthupandi, "Direct Active Soldering of PEO Coated and Uncoated AA6061 Aluminium Alloy" Advanced Materials Research (2018), Vol. 1148, pp 152-158.

[2] MP Shankar, R.Sokkalingam, K Sivaprasad and Veerappan Muthupandi, "Effect of Electrolyte on Micro Arc Oxidation Coating of Al-2014 Alloy" Advanced Materials Research (2018), Vol. 1148, pp 159-164.





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NAME	P MUTHUKUMAR
ROLL NO	412113009
RESEARCH GUIDE	Dr.S.JEROME
BATCH	2013
RESEARCH AREA	Friction Stir Processing

PUBLICATIONS IN THE SCHOLARLY JOURNALS

International journal

- 1. P. Muthukumar, and S. Jerome, Surface coating (Al/Cu &Al/SiC) fabricated by direct particle injection tool for friction stir processing: Evolution of phases, microstructure and mechanical properties, *Surface and Coating Technology* (2019) (Accepted)
- 2. P. Muthukumar, S. Jerome, John Felix Kumar, S. Prakash, Fabrication of Surface Composite by Friction Stir Processing using a Novel Direct Particle Injection Tool, *Surface Review and Letters* (2018) 1850182. DOI: 10.1142/S0218625X18501822.
- 3. P. Muthukumar and S. Jerome, Effect of Eccentricity Pin Geometry on The Fabrication of Surface Composite (6061Al-T6/SiC) by Friction Stir Processing, International *Journal of Mechanical and Production Engineering Research and Development* (IJMPERD). DOI: 10.24247/ijmperddec201829.

Patent (Submitted)

Inventor: P. Muthukumar, S. Jerome

TITLE OF THE INVENTION: "DIRECT PARTICLE INJECTION FRICTION STIR

PROCESSING (DPI-FSP) TOOL."

Provisional Patent No.:201741039063

International conference

1. P. Muthukumar, Mebin T Kuruvilla, R.John Felix Kumar and S. Jerome "Improved Surface Properties of Al 2024 Based Surface Hybrid Composites by Friction Stir Processing" *International Conference on Materials, Design and Manufacturing Process (ICMDM 2016)* Department of Mechanical Engineering College of Engineering Guindy Anna University, Chennai-25 2. P. Muthukumar, E.Chandrasekar, R.John Felix Kumar and S. Jerome "Effect of offset Tools on the Particle Distribution During Fabrication of Surface Composite by Friction Stir Processing" in *international conference on Light weighting for Defense and Transportation:* Trends, New Paradigms and Strategy (NMD 2017,BITS-KK Birla, Goa.



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RESEARCH SCHOLAR PROFILE

A

NAME	P BHAGAT SINGH
ROLL NO	412113006
RESEARCH GUIDE	Prof.S.Kumaran
BATCH	2013
	Liquid Metallurgy processing, Plastic/Metal
	Forming Process, Severe Plastic Deformation,
	High Temperature processing of Metals,
RESEARCH AREA	Mechanical Behaviour of Materials, Material
	Characterization (Optical, SEM and Micro and
	Macro Texture)

- 1.) **Bhagat Singh.P**, Rama Krushna Sabat, S.Kumaran, Satyam Suwas., Effect of aluminium addition on the evolution of microstructure, crystallographic texture and mechanical properties of single phase hexagonal close packed Mg-Li alloys. (DOI: 10.1007/s11665-018-3164-6, Journal of Materials Engineering and Performance-ASM.
- 2.) **Bhagat Singh.P**, Amlan Kar, S.Kumaran, Satyam Suwas., Effect of aluminum on microstructure, mechanical property and texture evolution of dual phase Mg-8Li alloy in different processing conditions (DOI:10.1016/j.acme.2018.04.001, Archives of Civil and Mechanical Engineering Journal.
- 3.) **Bhagat Singh.P**, Kumaran.S., "Microstructural Evolution and Mechanical Properties of α-Magnesium-Lithium Alloy" International Journal of Innovation and Research, vol.-03, no.-01, Jan2014. Page no.49-51, ISSN 2319-4340.
- 4.) Sriraman.N, **Bhagat Singh.P**, Kumaran S, "Microstructure, Mechanical and Bio-corrosion Behaviour of Thermomechanically Processed Mg–4Li–1Ca Alloy", (*DOI:10.1007/s12666-019-01599-y*, *Transactions of Indian Institute of Metals*.





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NAME	CHANDRA SEKHAR KONDAVEETI
ROLL NO	412113003
RESEARCH GUIDE	Dr. B. RAVISANKAR and Dr. S. KUMARAN
ВАТСН	2013
RESEARCH AREA	POWDER SEVERE PLASTIC DEFORMATION

- 1) **K.Chandra Sekhar**, Pravir Polly, S.Kumaran, B.Ravisankar, "Consolidation Of Mechanically Alloyed Al5083 -5wt% Y₂₀₃ Nano-Composite By Equal Channel Angular Pressing (ECAP)", 2014, Transactions of Powder Metallurgy Association of India, Vol.40 (2), 32-36.
- 2) **K.Chandra Sekhar**, Kondaiah.G, B.Ravisankar, "Metallurgical and Mechanical properties of Mild Steel processed by Equal Channel Angular Pressing ECAP, 2015, Transactions of Indian Institute of Metals (Accepted: DOI 10.1007/s12666-016-0862-3.)
- 3) Krishna K.S.V.B.R.; Vigneshwaran S; **Chandra Sekhar K**; Sarma S.R. Akella; Narayanasamy R; K.Sivaprasad:Venkateswarlu K., "'Mechanical Behavior and Void Coalescence Analysis of Cryorolled AA8090 Alloy"., International Journal of Advanced Manufacturing technology (Accepted: DOI 10.1007/s00170-016-8863-2)
- 4) Pravir Polly, **K.Chandra Sekhar**, B.Ravisankar, S.Kumaran, "Densification Of Mechanically Alloyed Al5083 -5wt% Y2o3 Nano-Composite By Equal Channel Angular Pressing", Applied Mechanics and Materials Vols. 592-594 (2014) pp 963-967.
- 5) Kondaiah Gudimetla, B Chaithanyakrushna, **K Chandra Sekhar**, B Ravisankar and S Kumaran, "Densification and Consolidation of Al 5083 Alloy Powder by Equal Channel Angular Pressing, Applied Mechanics and Materials, Vols. 592-594 (2014) pp.112-116
- 6) G.Kondaiah, **K.Chandra Sekhar**, B.Chaitanyakrushna, B.Ravisankar and S.Kumaran, "Characterization of Mechanically Alloyed Al5083 Alloy and Composite and Consolidation by Equal Channel Angular Pressing", Applied Mechanics and Materials Vols 764-765 (2015) pp.23-27.





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RESEARCH SCHOLAR PROFILE

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NAME	MAXWELL REJIL C
ROLL NO	412113002
RESEARCH GUIDE	Dr. S. MUTHUKUMARAN
ВАТСН	2013
RESEARCH AREA	SOLID STATE WELDING

PATENTS FILED

1. A patent on "Self-Sealing type Friction Brazing/Soldering of tube to tube plate using an External Tool" was filed bearing Provisional No.: 201741038449.

- 2. **C. Maxwell Rejil**, C. Sharan, S. Muthukumaran, M. Vasudevan, *Influence of Flash Trap Profiles on Joint Properties of Friction Welded CP-Ti Tube to 304L Stainless Steel Tube Plate using an External Tool Process*, Elsevier, Transactions of Nonferrous Metals Society of China 26(2016) 2067–2078. (https://doi.org/10.1016/S1003-6326(16)64297-8)
- 3. **C. Maxwell Rejil**, S. Muthukumaran, C. Sharan, S. P. Gill, H. B. Dong, *Interlayer Engineering on Friction Welded Titanium Tube to Stainless Steel Tube Plate by External Tool Process*, Springer, Transactions of the Indian Institute of Metals, Vol.70, (2017) Issue. 3, 691–701. (https://doi.org/10.1007/s12666-017-1059-0)





RESEARCH SCHOLAR PROFILE

NAME	K.ANANTHAKUMAR
ROLL NO	412113051
RESEARCH GUIDE	Dr.S.KUMARAN
BATCH	2014-2019
	SOLID STATE WELDING (DIFFUSION BONDING)
RESEARCH AREA	SOLID STATE WELDING (DIFFUSION DONDING)

- **K.Ananthakumar,** S.Kumaran "Experimental investigation and prediction of optimum process parameter for plasma assisted diffusion bonding of commercial pure titanium and austenitic stainless steel" **Arabian Journal for Science and Engineering –Springer**, Published in June 2018.(**SCI-Impact factor-1.092**)
- **K.Ananthakumar,** S.Kumaran, "Fuzzy logic model system for prediction of process parameters by plasma assisted diffusion bonding of dissimilar alloys" **Experimental Techniques-Springer**, Published in July 2018. (**SCI-Impact factor-0.806**)





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NAME	Mr. VIVEKANANDHAN P
ROLL NO	412114003
RESEARCH GUIDE	Dr. S. KUMARAN
BATCH	AUG 2014
RESEARCH AREA	THERMOLECTRIC MATERIALS

- 1. <u>Vivekanandhan.P</u>, Murugasami.R, Kumaran.S" Tuning the thermoelectric properties of Al doped Mg₂Si with multiscale structural features by spark plasma assisted combustion synthesis, *Mater. Chem. Phys.* (2019). (*Under Review*)
- Vivekanandhan.P., Murugasami.R, Kumaran.S" Structural characterization and thermoelectric properties of spark plasma assisted combustion synthesized Bismuth doped nanocrystalline Magnesium Silicide, J. Alloys Compds. (2019). (Under Review)
- 3. Arun Raphel, Appu Kumar Singh <u>Vivekanandhan.P</u>, Kumaran.S" Ultralow thermal conductivity in nanocrystalline PbSnSeTe thermoelectric alloy by high entropy engineering and nanostructuring phenomena, *Scripta Mater*. (2019) (*Under Review*).
- 4. Murugasami.R, <u>Vivekanandhan.P</u>, Kumaran.S, Suresh Kumar, John Tharagan, Synergitic enhancement in thermoelectric and mechanical properties of n-type SiGe alloys prepared by mechanical alloying and spark plasma sintering, *Mater. Res. Bulletin* (2019). (*Under Review*))
- 5. <u>Vivekanandhan.P</u>, Murugasami.R, Kumaran.S" Microstructure and mechanical properties of nanocrystalline magnesium silicide thermoelectric compound prepared via Spark plasma assisted combustion synthesis, *Mater. Lett.* 231 (2018), 109–113.
- 6. Murugasami.R, <u>Vivekanandhan.P</u>, Kumaran.S, Suresh Kumar, John Tharagan, Thermopower performance and mechanical properties of Si₈₀Ge₂₀ doped with Boron by mechanical alloying and spark plasma sintering, *J. Alloys Compds.* 773 (**2019**), 752-761.
- 7. <u>Vivekanandhan.P.</u>, Murugasami.R, Kumaran.S" Spark plasma assisted *in-situ* phase evolution and densification of nanocrystallibe Mg₂Si-SiGe thermoelectric composite: Pulse current effects and densification mechanisms, *Scripta Mater*. 146 (2018) 344-348.
- 8. Murugasami.R, <u>Vivekanandhan.P</u>, Kumaran.S, Suresh Kumar, John Tharagan Thermoelectric power factor performance of Si₈₀Ge₂₀ doped with Phosphorous by spark plasma assisted transient liquid Phase sintering, *Scripta Mater.* 143 (**2018**) 35-39.
- 9. <u>Vivekanandhan.P</u>, Murugasami.R, Sairam.KVRS, Kumaran.S" Densification and Mechanical properties of nanostructured Mg₂Si Thermoelectric material by Spark Plasma Sintering, *Powder Technol.* 319 (2017) 129-138.
- 10. <u>Vivekanandhan.P</u>, Murugasami.R, Kumaran.S" Rapid in-situ synthesis of nanocrystalline magnesium silicide thermoelectric compound by spark plasma sintering, *Mater. Lett.* 197 (2017), 106-110.
- 11. Murugasami.R, <u>Vivekanandhan.P</u>, Kumaran.S" Densification and alloying of ball milled Silicon-Germanium powder mixture during Spark Plasma Sintering, *Adv. Powder Technol.* 28 (2017), 506-513.
- 12. Murugasami.R, <u>Vivekanandhan.P</u>, Kumaran.S" Rapid Alloying and Nanostructuring of Silicon-Germanium Powder Mixture by Spark Plasma Sintering, *Trans. Ind. Inst. Met.* 70 (3) (2017), 855-860.





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NAME	Mr. ARUN S
ROLL NO	412114004
RESEARCH GUIDE	Dr. N. Ramesh Babu
ВАТСН	2014 JULY
RESEARCH AREA	SURFACE MODIFCATION OF ZIRCONIUM BY PLASMA ELECTROLYTIC OXIDATION FOR NUCLEAR APPLICATIONS

- [1] S. Arun, T. Arunnellaiappan, N. Rameshbabu, Fabrication of the nanoparticle incorporated PEO coating on commercially pure zirconium and its corrosion resistance, Surf. Coat. Technol. 305 (2016) 264–273.
- [2] S. Arun, S. Hariprasad, A. Saikiran, B. Ravisankar, E. V. Parfenov, V. R. Mukaeva, N. Rameshbabu, The effect of graphite particle size on the corrosion and wear behaviour of the PEO-EPD coating fabricated on commercially pure zirconium, Surf. Coat. Technol. 363 (2019) 301–313.
- [3] S. Arun. S. Hariprasad, B. Ravishankar, Evgeny V. Parfenov, Veta R. Mukaeva, N. Rameshbabu, Formation of ZrO₂-SiC composite coating on zirconium by plasma electrolytic oxidation in different electrolyte systems comprising of SiC nanoparticles Trans Indian Inst Met 71 (2018) pp 1699–1713.
- [4] S. Hariprasad, S. Gowtham, S. Arun, M. Ashok, N. Rameshbabu, Fabrication of duplex coatings on biodegradable AZ31 magnesium alloy by integrating cerium conversion (CC) and plasma electrolytic oxidation (PEO) processes, J. Alloys. Compd. 722 (2017) 698-715.
- [5] T. Arunnellaiappan, S. Arun, S. Hariprasad, S. Gowtham, B. Ravisankar, L. Rama Krishna, N. Rameshbabu, Fabrication of corrosion resistant hydrophobic ceramic nanocomposite coatings on PEO treated AA7075, Cerm. Int. 4 (2018) 874–884.
- [6] N. Rameshbabu, T. Arunnellaiappan, Arun Mohan Nair, S. Arun, T Anjilivelil, Comparison of the black PEO coatings formed on AA7075 using different combinations of salt in the electrolytes, Trans Indian Inst Met 72 (1) (2019) 47-53.





TIRUCHIRAPPALLI – 620 015, INDIA.

RESEARCH SCHOLAR PROFILE

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	Mr. NAGARAJ M
NAME	
	412114005
ROLL NO	
	DR. B. Ravisankar
RESEARCH GUIDE	
	2014
BATCH	
	Metal forming and joining
RESEARCH AREA	

- 1. **M. Nagaraj**, B. Ravisankar, Enhancing the strength of structural steel through severe plastic deformation based thermomechanical treatment, Material Science and Engineering: A. 738 (2018) 420–429. doi:10.1166/jamr.2018.1391.
- 2. **M. Nagaraj**, B. Ravisankar, Effect of severe plastic deformation on microstructural and mechanical properties of structural steel is 2062, Trans. Indian Inst. Met. 71(9):2315–2323, 2018. doi:10.1007/s12666-018-1363-3.
- 3. **M. Nagaraj**, B. Ravisankar, Investigation on ECAPed structural steel IS2062 using X-ray diffraction line profile analysis and evaluation of strengthening mechanisms, Material research express (2018). doi: 10.1088/2053-1591/aaf2fb
- 4. **M. Nagaraj**, B. Ravisankar, Effect of severe plastic deformation on microstructure and mechanical behaviour of friction welded structural steel IS2062, Trans. Indian Inst. Met. (2018). doi:10.1007/s12666-018-1527-1
- 5. S.P. Divya, M. **Nagaraj, M**. Kesavamoorthy, S.A. Srinivasan, B. Ravisankar, Investigation on the Effect of ECAP Routes on the Wear Behavior of AA2014, Trans. Indian Inst. Met. 71 (2018) 67–77. doi:10.1007/s12666-017-1141-7.
- 6. S.P. Divya, G. Yoganandan, J.N. Balaraju, S.A. Srinivasan, **M. Nagaraj**, B. Ravisankar, Investigation on wear and corrosion behavior of equal channel angular pressed aluminum 2014 alloy, IOP Conf. Ser. Mater. Sci. Eng. 314 (2018) 012024. doi:10.1088/1757899X/314/1/012024.





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NAME	Mr. B. Thirumaran
ROLL NO	412114006
RESEARCH GUIDE	Dr. S.P.Kumaresh babu
ВАТСН	July 2014
RESEARCH AREA	Corrosion studies on aluminium 7xxx metal matrix composite through casting technique for aerospace and marine applications.





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	NAME	NANDHINI R
	ROLL NO	412114051
	RESEARCH GUIDE	Dr. S. Muthukumaran
	ВАТСН	January 2015
Access of the second	RESEARCH AREA	Friction Stir Welding of Polyamide 6,6

- 1. Nandhini R, Kesavamoorthy M and Muthukumaran S, "Effect of Welding Parameters on Microstructure and Tensile Strength of friction stir welded Polyamide 6,6 joints", International Polymer Processing, 32, 416-424 (2017).
- 2. R. Nandhini, R. Dinesh Kumar, S. Muthukumaran and S. Kumaran, "Analysis of Mechanical and Crystalline Characteristics of Polyamide 66 Joints Welded by a Novel Friction Stir Welding", Arabian Journal of Science and Engineering Article Number: s13369-019-03770-5 Published online.
- 3. R. Nandhini, M. Kesavamoorthy, S. Muthukumaran and S. Kumaran, "Influence of process variables on the characteristics of friction-stir-welded polyamide 6,6 joints", Materialwissenschaft und Werkstofftechnik (Material Science and Engineering Technology) Manuscript ID: mawe.201800119.R1- Accepted.





RESEARCH SCHOLAR PROFILE

NAME	Mr. S.A.Srinivasan
ROLL NO	412114052
RESEARCH GUIDE	Dr. S.P.Kumaresh babu
ВАТСН	Jan 2015
RESEARCH AREA	Development of quaternary aluminium alloy composite for tribological application in aerospace and automobile engineering field.

PUBLICATIONS IN THE SCHOLARLY JOURNALS

01. Elucidation on the microstructural and mechanical properties of tailored VAL12 hybrid composites with ZrO2 dispersoids fabricated by squeeze casting technique, Materials science forum (In press), 2019





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RESEARCH SCHOLAR PROFILE

NAME	HARI PRASAD SAMPATI RAO
ROLL NO	412114053
RESEARCH GUIDE	Dr. N. Ramesh Babu
BATCH	February 2015
RESEARCH AREA	Biomaterials

- The effect of graphite particle size on the corrosion and wear behaviour of the PEO-EPD coating fabricated on commercially pure zirconium, S Arun, S Hariprasad, A Saikiran, B Ravisankar, E V Parfenov, V R Mukaeva, N Rameshbabu, Surface and Coatings Technology 363 (2019) 301-313.
- Formation of ZrO₂–SiC Composite Coating on Zirconium by Plasma Electrolytic Oxidation in Different Electrolyte Systems Comprising of SiC Nanoparticles, Arun Sukumaran, Hariprasad Sampatirao, Ravisankar Balasubramanian, Evgeny Parfenov, Veta Mukaeva, Rameshbabu Nagumothu, Transactions of the Indian Institute of Metals 71 (2018) 1699-1713.
- Fabrication of corrosion resistant hydrophobic ceramic nanocomposite coatings on PEO treated AA7075, T Arunnellaiappan, S Arun, S Hariprasad, S Gowtham, B Ravisankar, N Rameshbabu, Ceramics International 44 (2018) 874-884.
- 4. Fabrication of duplex coatings on biodegradable AZ31 magnesium alloy by integrating cerium conversion (CC) and plasma electrolytic oxidation (PEO) processes, **S Hariprasad**, S Gowtham, S Arun, M Ashok, N Rameshbabu, **Journal of Alloys and Compounds** 722 (**2017**) 698-715.
- 5. An investigation on ZrO₂ nano-particle incorporation, surface properties and electrochemical corrosion behaviour of PEO coating formed on Cp-Ti, S Gowtham, S Hariprasad, T Arunnellaiappan, N Rameshbabu, Surface and Coatings Technology 313 (2017) 263-273.
- 6. Role of electrolyte additives on in-vitro corrosion behavior of DC plasma electrolytic oxidization coatings formed on CP-Ti, S Hariprasad, M Ashfaq, T Arunnellaiappan, Manu Harilal, N Rameshbabu Surface and Coatings Technology 292 (2016) 20-29.





RESEARCH SCHOLAR PROFILE

NAME	Mr. T.Aravind Nagaraj
ROLL NO	412914052
RESEARCH GUIDE	Dr. S.P.Kumaresh babu
ВАТСН	Jan 2015
RESEARCH AREA	Development of a nickel base alloy with tin and bismuth addition.

PUBLICATIONS IN THE SCHOLARLY JOURNALS

01. Solid Particle Erosion Behavior of Cast CY5SnBiM at Room Temperature, Journal of The Institution of Engineers (India): Series D, DOI: 10.1007/s40033-019-00175-4, Year: 2019





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NAME	Mr. M.Rajkumar
ROLL NO	412914054
RESEARCH GUIDE	Dr. S.P.Kumaresh babu
ВАТСН	Jan 2015
RESEARCH AREA	Developed cast hyper duplex stainless steel with niobium and zirconium to improve the corrosion and erosion property.

PUBLICATIONS IN THE SCHOLARLY JOURNALS

01. Room-Temperature Erosion Behaviour of Nb-Stabilized 27Cr-7Ni-Mo-W-N Cast Hyper-Duplex Stainless Steel (Nb + CD3MWN - 7A), Journal of The Institution of Engineers (India): Series D, DoI:10.1007/s40033-018-0171-6, Year: 2018





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NAME	Mr. S. NAGARAJ	
ROLL NO	418914053	
RESEARCH GUIDE	Dr. S.P.Kumaresh babu	
ВАТСН	Jan 2015	
RESEARCH AREA	An approach to corrosion prevention in longitudinal beam of railway coaches	





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RESEARCH SCHOLAR PROFILE

	NAME	ANBARASAN.N
	ROLL NO	412115001
90	RESEARCH GUIDE	Dr. JEROME.S
	BATCH	2015
	RESEARCH AREA	WELDABILITY STUDIES ON INCONEL 718

PUBLICATIONS IN THE SCHOLARLY JOURNALS

Journal Publications

- Anbarasan, N., Jerome, S., Arivazhagan, N., 2018. Argon and argon-hydrogen Shielding gas effects on the laves phase formation and corrosion behavior of Inconel 718 Gas Tungsten Arc Welds. J. Mater. Process. Technol. https://doi.org/10.1016/j.jmatprotec.2018.07.038.
- **Anbarasan N.,** Jerome, S., Suresh Gandamalla., Oyyaravelu, R., 2019. Effect of Pulse Frequency on Microstructural and Corrosion properties of Inconel 718 Gas Tungsten Arc Weldments, Transactions of the Indian Institute of Metals https://doi.org/10.1007/s12666-019-01626-y (Accepted-In press)
- Anbarasan, N., Narein, N., Jerome, S., 2019. Influence of Mechanical Arc Oscillation on the Microstructural and Mechanical Properties of Aerospace Superalloy 718 Welds. Transactions of the Indian Institute of Metals (Under Review).

Conference Publications

- Anbarasan, N., Gupta, B. K., Prakash, S., Muthukumar, P., Oyyaravelu, R., Kumar, R.J.F., Jerome, S., 2018. Effect of Heat Treatment on the Microstructure and Mechanical Properties of Inconel 718. Mater. Today Proc. 5, 7716–7724. https://doi.org/10.1016/j.matpr.2017.11.448.
- **Anbarasan, N.**, Jerome, S., 2018. Effect of flow rate and argon-hydrogen shielding gas mixture on weld bead morphology of Inconel 718. Mater. Today Proc. https://doi.org/10.1016/j.matpr.2018.09.002.
- Anbarasan N and Jerome S, "Aging response by Pulsed GTAW weldments of Superalloy 718 with Mo fillers", Indian Institute of Metals, 71st Annual Technical Meeting, NMD-ATM-2017.





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RESEARCH SCHOLAR PROFILE

NAME	Mr. P.Dinesh
ROLL NO	412115002
RESEARCH GUIDE	Dr. S.P.Kumaresh babu
BATCH	July 2015
	Studies on effect of neodymium and
	lanthanum rare earths addition on
RESEARCH AREA	microstructure, mechanical and corrosion properties of Hot-Extruded Mg-9Li-3Al
	magnesium alloy for light-weight
	structural applications.

PUBLICATIONS IN THE SCHOLARLY JOURNALS

01. Influence of Neodymium on microstructure and mechanical properties of Mg-9Li-3Al alloy, Materials science forum (In press), 2019





RESEARCH SCHOLAR PROFILE

(36)

NAME	RAM KUMAR V
ROLL NO	412115003
RESEARCH GUIDE	Dr. V. MUTHUPANDI
ВАТСН	2015
RESEARCH AREA	Microarc oxidation of magnesium alloys

- 1. Ram Kumar V, Muthupandi V, Sivaprasad K, Bala Srinivasan P "Effect of Frequency and Duty Cycle on Growth, Structure and Corrosion Resistance of Micro Arc Oxidation" Key Engineering Materials, Vol. 775, pp 291-297, doi:10.4028/www.scientific.net/KEM.775.291
- 2.Ram Kumar V, Muthupandi V, Sivaprasad K "Effect of Type and Concentration of Aqueous Solutions on Corrosion Behaviour of Plasma Electrolytic Oxide films on ZM21 Mg Alloy" Accepted in Materials science forum





RESEARCH SCHOLAR PROFILE

	NAME	M PREMNATH
	ROLL NO	412115005
(RESEARCH GUIDE	Dr. S. KUMARAN
	BATCH	2015-2020
	RESEARCH AREA	HYDROGEN STORAGE

- 1. Premnath Muthu, **Kumaran Sinnaeruvadi**, Facilitation of Quasi-Reversible Effect with Rapid Diffusion Kinetics on Mg_{0.9-x}Ti_{0.1}Ni_x High Energy Ball Milled Powders for Ni-MH Batteries, *Journal of Alloys and Compounds*, (2019). (Accepted)
- Premnath Muthu, <u>Kumaran Sinnaeruvadi</u>, Structural and Optical Properties Correlation of Nickel Doped Magnesium—Titanium Alloys with Sorption Kinetics Reaction for Hydrogen Storage Application, *Transaction of Indian Institute of Metals*, 70, (2017), 581 - 587.





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RESEARCH SCHOLAR PROFILE

S

NAME	N.SRIRAMAN
ROLL NO	412115007
RESEARCH GUIDE	Dr.S.KUMARAN
BATCH	2015
RESEARCH AREA	DEVELOPMENT OF MAGNESIUM- BASED BIO-DEGRADABLE ALLOYS

- 1. **N.Sriraman**, S.Kumaran, Studies on bio-acceptability of thermo-mechanically processed Mg-4Li-0.5Ca alloy and its microstructural correlation, <u>Journal of Material Engineering and Performance-DOI(10.1007/s11665-018-3709-8)</u>.
- 2. **N.Sriraman**, P.Bhagat Singh, S.Kumaran, *Microstructure, Mechanical and Bio-corrosion behaviours of Thermomechanically processed Mg-4Li-1Ca Alloy, Transactions of Indian Institute of Metals*, DOI(10.1007/s12666-019-01599-y).
- 3. **N.Sriraman**, S.Kumaran, *Improved bio-acceptability of thermomechanically processed ZM21 magnesium alloy*, *Material Research Express* DOI (10.1088/2053-1591/ab0323).





TIRUCHIRAPPALLI – 620 015, INDIA.

RESEARCH SCHOLAR PROFILE

NAME	Vikram Kumar S.Jain
ROLL NO	412115006
RESEARCH GUIDE	Dr. S.Muthukumaran
ВАТСН	2015-2020
RESEARCH AREA	Friction Stir Welding/Processing, Tribology

- Vikram Kumar S. Jain, P. M. Muhammed, S. Muthukumaran, S. P. Kumaresh Babu "Microstructure, Mechanical and Sliding Wear Behavior of AA5083–B4C/SiC/TiC Surface Composites Fabricated Using Friction Stir Processing" Trans Indian Inst Met (2018) 71(6):1519– 1529.
- Vikram Kumar S. Jain, James Varghese, S. Muthukumaran "Effect of First and Second Passes on Microstructure and Wear Properties of Titanium Dioxide-Reinforced Aluminum Surface Composite via Friction Stir Processing" Arab J Sci Eng (2019) 44 (2): 949-957.
- 3. Vikram Kumar S. Jain, S. Muthukumaran "Effect of Friction Stir Processing on Microstructure and Dry Sliding Wear Behaviour of Al/TiO2 Composite" International Conference On Recent Innovations In Production Engineering - RIPE 2017, March 24-25,2017, Anna University
- 4. Vikram Kumar S Jain, Venkata Rao, Mohandas K N, S. Muthukumaran "Sliding Wear Behavior of Plasma-Sprayed NiCrAlY-WC Based Composite Coatings on AA5083 Alloy" International Journal of composite Materials and Matrices (2018) 4(2) 21-26.





TIRUCHIRAPPALLI – 620 015, INDIA.

RESEARCH SCHOLAR PROFILE

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R. SOKKALINGAM
412115008
Dr.K.Sivaprasad
2015
Welding of high-entropy alloys

- [1] **R. Sokkalingam**, K. Sivaprasad, V. Muthupandi and Muthukannan Duraiselvam, "Characterization of Laser Beam Welded Al0.5CoCrFeNi High-Entropy Alloy", Key Engineering Materials (2018), Vol. 775, pp 448-453.
- [2] **R.Sokkalingam**, MP Shankar, Anoop K Unni, K Sivaprasad and Veerappan Muthupandi, "Direct Active Soldering of PEO Coated and Uncoated AA6061 Aluminium Alloy" Advanced Materials Research (2018), Vol. 1148, pp 152-158.
- [3] MP Shankar, **R.Sokkalingam**, K Sivaprasad and Veerappan Muthupandi, "Effect of Electrolyte on Micro Arc Oxidation Coating of Al-2014 Alloy" Advanced Materials Research (2018), Vol. 1148, pp 159-164.
- [4] **R. Sokkalingam**, Sourav Mishra, Srinivasa Rakesh Cheethirala, V. Muthupandi, and K. Sivaprasad, "Enhanced Relative Slip Distance in Gas-Tungsten-Arc-Welded Al0.5CoCrFeNi High-Entropy Alloy", Metall and Mat Trans A (2017) 48: 3630. https://doi.org/10.1007/s11661-017-4140-8.
- [5] P.V.Satyanarayana, **R. Sokkalingam**, K.Sivaprasad and A.K.Mukherjee, "Effect of Composition on Tensile and Impact Properties of Tungsten Based Heavy Alloy", Materials Science Forum ISSN: 1662-9752, Vol. 863, pp 40-44, Doi:10.4028/www.scientific.net/MSF.863.40.
- [6] **R. Sokkalingam**, Venkatesan K, Sabari SS, Malarvizhi S, Balasubramanian V (2014), "Effect of postweld aging treatment on tensile properties of GTAW welded armor grade AA2519-T87 aluminum alloy joints. Int J Res Sci Eng (2014), Vol. 3(11), pp 316–320.





TIRUCHIRAPPALLI – 620 015, INDIA.

RESEARCH SCHOLAR PROFILE

A secondario	

NAME	Dinesh Kumar R
ROLL NO	412115051
RESEARCH GUIDE	Dr.S.Muthukumaran
ВАТСН	January 2016
RESEARCH AREA	Friction Stir Welding

- 1. **Dinesh Kumar Rajendran**, Ganesa Balamurugan.K, S.Muthukumaran- "Investigation on the mechanical and wear properties of Al/Mg bimetallic composite fabricated by friction stir processing technique" Transactions of the Indian Institute of Metals (2018) 71(5):1247–1255 (**SCI**)
- 2. **Dinesh Kumar R**, S.Muthukumaran, Vincent Xavier, T.Venkateswaran, D.Sivakumar- "Investigation of weld parameters on ductility, fracture behavior and metal flow of friction stir welded AA2219-T87 alloy"-Journal of Central South University (**SCIE**) Accepted
- 3. **Dinesh Kumar R**, Ilhar Ul Hasan, S.Muthukumaran, T.Venkateswaran, D.Sivakumar- "Single and Multiresponse Optimization and validation of mechanical properties in dissimilar friction stir welded AA2219-T87 and AA7075-T73 alloys using T-GRA"- Experimental Techniques (**SCIE**) Accepted
- 4. R. Nandhini, **R. Dinesh Kumar**, S. Muthukumaran, S. Kumaran- "Analysis of Mechanical and Crystalline Characteristics of Polyamide 66 Joints Welded by Novel Friction Stir Welding" -Arabian journal for science and engineering (**SCIE**) Accepted
- 5. **Dinesh Kumar R**, Srija D, Suresh S, S.Muthukumaran, Optimization of Process Parameters for Improved Corrosion Resistance and Microstructural Exploration in Friction Stir Welding of AA2024 AA6061-Materials Science Forum (**Scopus**) Accepted





TIRUCHIRAPPALLI – 620 015, INDIA.

- 6. R. Nandhini, **R. Dinesh Kumar**, S. Muthukumaran, S. Kumaran Optimization of Welding Process Parameters in Additive Friction Stir Welding of Polyamide 6,6 Joints"- Materials Science Forum (**Scopus**) Accepted
- 7. Ganesa Balamurugan Kannan and **Dinesh Kumar Rajendran**, "A Review on Status of Research in Metal Additive Manufacturing" Advances in 3D Printing & Additive Manufacturing Technologie Wimpenny, D.I., Pandey, P.M., Kumar, L.J., Eds. Springer: Singapore, 2017; pp. 95–100 (**Springer Book Chapter**)
- 8. **Dinesh Kumar.R**, Elangovan.S, Siva Shanmugam.N "Parametric Optimisation of Pulsed TIG Welding Process in Butt Joining of 304L Austenitic Stainless Steel Sheets" International Journal of Research in Engineering and Technology, Vol-03 Special Issue-11:NCAMESHE 2014 pp.213-219

International Conference:

- Dinesh Kumar R, S.Muthukumaran, T.Venkateswaran, Vincent Xavier, D.Sivakumar "Effect of tool shoulder profile on mechanical and metallurgical properties of dissimilar friction stir welded AA6061-AA7075" – ICAMPS -IIM
- 2. **Dinesh Kumar R**, Ganesa Balamurugan K, S.Muthukumaran- "A Study on the Effect of Process Parameters on Mechanical Property of Friction Stir Additive Manufactured Al 1000 plates" International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems-NIT Trichy
- 3. Nandhini R, **Dinesh Kumar R**, S.Muthukumaran, S.Kumaran- "Tribological Behaviour of Friction Stir Processed Glass Fiber Reinforced (GFR) Polyamide 66 Composite"- International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems-NIT Trichy
- 4. **Dinesh Kumar R**, S.Muthukumaran, T.Venkateswaran, D.Sivakumar- "Multi-Response Optimization of Friction Stir Welded AA2219-T87 by Taguchi -Grey Relation Analysis and Metallurgical Inferences"-International Conference RIPE -17 at Madras Institute of Technology- Chennai.





RESEARCH SCHOLAR PROFILE

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NAME	L.GOPINATH
ROLL NO	412915008
RESEARCH GUIDE	Dr.S.JEROME
ВАТСН	2015
RESEARCH AREA	THIN WALL MANUFACTURABILITY IN ALUMINUM ALLOYS

PUBLICATIONS IN THE SCHOLARLY JOURNALS

COMMUNICATED - 2 PAPERS

STATUS - UNDER REVIEW





RESEARCH SCHOLAR PROFILE

	NAME	V ARUNKUMAR
	ROLL NO	412915003
	RESEARCH GUIDE	Dr. S JEROME
	BATCH	2015
	RESEARCH AREA	DEVELOPMENT OF PRECIPITATION HARDENABLE STAINLESS STEEL FOR
	RESEARCH AREA	SPACE / MISSILE APPLICATIONS

PUBLICATIONS IN THE SCHOLARLY JOURNALS

NOT YET





RESEARCH SCHOLAR PROFILE

	NAME	ROSHAN JACOB
	ROLL NO	412116001
	RESEARCH GUIDE	Prof. S. Raman Sankaranarayanan
	ВАТСН	August 2017
	RESEARCH AREA	MANGANESE STEEL





RESEARCH SCHOLAR PROFILE

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NAME	SUNILKUMAR D
ROLL NO	412116002
RESEARCH GUIDE	Dr. S. Muthukumaran
ВАТСН	2016-2021
RESEARCH AREA	Friction stir welding of high temperature materials

PUBLICATIONS IN THE SCHOLARLY JOURNALS

1. Sunilkumar D, Muthukumaran S, Vasudevan M, Selvi SP, Reddy MG. Effect of Tool Rotation Speed on Microstructure and Hardness of Friction-Stir-Welded 9Cr-1Mo Steel. Transactions of the Indian Institute of Metals.:1-4. https://doi.org/10.1007/s12666-019-01621-3. (SCI Journal)





RESEARCH SCHOLAR PROFILE

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NAME	AMRUTHALURU SAI KIRAN	
ROLL NO	412116003	
RESEARCH GUIDE	Dr. N. RAMESHBABU	
ВАТСН	2016 JUNE	
RESEARCH AREA	PLASMA ELECTROLYTIC OXIDATION COATINGS	

- 1. The effect of graphite particle size on the corrosion and wear behaviour of the PEO-EPD coating fabricated on commercially pure zirconium, S.Arun, S.Hariprasad, **A.Saikiran**, B.Ravisankar, E.V.Parfenov, V.R.Mukaeva, N.Rameshbabu, Surf. Coat. Technol. 363 (2019) 301-313.
- **2.** Experimental Investigation on Synthesis of Nanocrystalline Hydroxyapatite by the Mechanochemical Method, Manu Harilal, **A. Saikiran**, N. Rameshbabu, Key Eng. Mater. 775 (2018) 149-155.





RESEARCH SCHOLAR PROFILE

NAME	B.V. Ponraj
ROLL NO	412116004
RESEARCH GUIDE	Dr. S.Kumaran
ВАТСН	July 2016
RESEARCH AREA	Oxide Dispersion Strengthened alloys

PUBLICATIONS IN THE SCHOLARLY JOURNALS

<u>NA</u>





RESEARCH SCHOLAR PROFILE

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NAME	Mr. A. Vallimanalan
ROLL NO	412116005
RESEARCH GUIDE	Dr. S.P.Kumaresh babu
ВАТСН	Jan 2015
RESEARCH AREA	Development of thermal barrier coatings for aerospace application.





RESEARCH SCHOLAR PROFILE

	NAME	Mr. P. Mayilsamy
	ROLL NO	412116006
	RESEARCH GUIDE	Dr. S.P.Kumaresh babu
	ВАТСН	July 2016
	RESEARCH AREA	Studies on the mechanical behavior of copper matrix composites prepared by pressure die casting technique





RESEARCH SCHOLAR PROFILE

20	

NAME	SADHASIVAM M
ROLL NO	412116007
RESEARCH GUIDE	Prof. S. Raman Sankaranarayanan
ватсн	2016 - 22
RESEARCH AREA	Stainless Steel composite development for wear resistance application

PUBLICATIONS IN THE SCHOLARLY JOURNALS

Nil





RESEARCH SCHOLAR PROFILE

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NAME	T.SATHISH SUDHANDRA BHARATHI
ROLL NO	412116051
RESEARCH GUIDE	Dr.S.KUMARAN
ВАТСН	2017 JANUARY
RESEARCH AREA	THERMOELECTRICS

PUBLICATIONS IN THE SCHOLARLY JOURNALS

1. Paper presented at two day symposium on Thermoelectric Materials, Devices and Systems on 10th and 11th Dec 2018 at PSG, Coimbatore on topic of "Combustion Assisted Synthesis of Magnesium Silicide Thermoelectric Compound with nano-oxide Inclusion by Spark Plasma Sintering"





RESEARCH SCHOLAR PROFILE

(25)
K W X
V /

NAME	Praveen Kumar D
ROLL NO	412116052
RESEARCH GUIDE	Dr S Kumaran
BATCH	2017-2022
RESEARCH AREA	SPS-Diffusion Bonding

PUBLICATIONS IN THE SCHOLARLY JOURNALS

(Not Applicable)





RESEARCH SCHOLAR PROFILE

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NAME	P.Vignesh
ROLL NO	412117001
RESEARCH GUIDE	Dr.S.Kumaran
ВАТСН	2017-2022
RESEARCH AREA	Magnesium Alloy





RESEARCH SCHOLAR PROFILE



NAME	VIVEK GAURAV
ROLL NO	412117002
RESEARCH GUIDE	Prof. S. Raman Sankaranarayanan
ВАТСН	2017-22
RESEARCH AREA	Process Metallurgy

PUBLICATIONS IN THE SCHOLARLY JOURNALS

Yet to publish.





RESEARCH SCHOLAR PROFILE

NAME	B.BLESSTO
ROLL NO	412117003
RESEARCH GUIDE	Dr.K.Sivaprasad
ВАТСН	2017
RESEARCH AREA	Cryorolling of AA2219 for tankage applications

PUBLICATIONS IN THE SCHOLARLY JOURNALS

G Venkatesh, B Blessto, C Santhosh Kumar Rao, R Subramanian and L John Berchmans, Novel perovskite coating of strontium zirconate in Inconel substrate, IOP Conference Series: Materials Science and Engineering, Volume 314, 2018. doi:10.1088/1757-899X/314/1/012010.

https://iopscience.iop.org/article/10.1088/1757-899X/314/1/012010/pdf





RESEARCH SCHOLAR PROFILE

NAME	K V V NAGARAJU
IVAIVIE	
ROLL NO	412917052
RESEARCH GUIDE	Dr. T. SRINIVASA RAO / S KUMARAN
ВАТСН	2017-2022
RESEARCH AREA	MICROWAVE PROCESSING OF METALS

PUBLICATIONS IN THE SCHOLARLY JOURNALS

Nil





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RESEARCH SCHOLAR PROFILE

NAME	J.MAYA
ROLL NO	412117053
RESEARCH GUIDE	Dr.K.Sivaprasad
ВАТСН	2017
RESEARCH AREA	High Entropy Alloys, ECAP, SPS, Hot Pressing, Mechanical and Metallurgical Characteristics

PUBLICATIONS IN THE SCHOLARLY JOURNALS

Mechanical Properties of P/M Hot forged Low alloy Molybdenum steels - PMAI Journal 1993.





RESEARCH SCHOLAR PROFILE

NAME	V.CHAKKRAVARTHY
ROLL NO	412117055
RESEARCH GUIDE	Dr. S Jerome
ВАТСН	2017 December
RESEARCH AREA	Welding based additive manufacturing





RESEARCH SCHOLAR PROFILE

121

NAME	P. MANOJ KUMAR
ROLL NO	412117051
RESEARCH GUIDE	Dr. N. RAMESH BABU
ВАТСН	JANUARY 2018
	PLASMA ELECTROLYTIC OXIDATION
RESEARCH AREA	





RESEARCH SCHOLAR PROFILE

	P
R	

NAME	E. LOKESH KUMAR
ROLL NO	412117052
RESEARCH GUIDE	Dr. N. RAMESH BABU
ВАТСН	JANUARY 2018
RESEARCH AREA	PLASMA ELECTROLYTIC OXIDATION





RESEARCH SCHOLAR PROFILE

NAME	HARISH TM
ROLL NO	412917051
RESEARCH GUIDE	Dr. JEROME.S
BATCH	2017
RESEARCH AREA	WELDABILITY STUDIES ON BOILER GRADE STEELS

PUBLICATIONS IN THE SCHOLARLY JOURNALS

NOT YET





RESEARCH SCHOLAR PROFILE

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NAME	ARUN RAPHEL
ROLL NO	412917052
RESEARCH GUIDE	Dr. S KUMARAN
BATCH	2017-2022
RESEARCH AREA	THERMOELECTRIC HIGH ENTROPY ALLOYS

- 1. Arun Raphel ¹, K Vinoadh Kumar ², S Kumaran ³, Oxidation and Corrosion Resistance of AlCoCrFeTi High Entropy Alloy, Materials Today Proceedings 4, ISSN: 2214-7853 pp: 195-202, April 2017.
- 2. Arun Raphel, Appu Kumar Singh Vivekanandhan.P, Kumaran.S" Ultralow thermal conductivity in nanocrystalline PbSnSeTe thermoelectric alloy by high entropy engineering and nanostructuring phenomena, *Scripta Materilia* (2019) (*Under Review*).





RESEARCH SCHOLAR PROFILE

	1

NAME	Mr. S.Muralidhara
ROLL NO	412117004
RESEARCH GUIDE	Dr. S.P.Kumaresh babu
ВАТСН	July 2017
RESEARCH AREA	Working on mechanical and tribological behaviour of Carbon fiber reinforced composites for aerospace and automobile applications.





RESEARCH SCHOLAR PROFILE

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NAME	ANIL BABU SANKURU
ROLL NO	412118001
RESEARCH GUIDE	Dr. B. Ravisankar
ВАТСН	JULY-2018
RESEARCH AREA	Equal Channel Angular Pressing (ECAP) of Magnesium alloys





RESEARCH SCHOLAR PROFILE

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NAME ROLL NO	C PREMCHAND 412118002
RESEARCH GUIDE	Dr N. RAMESH BABU
ВАТСН	JUNE 2018
RESEARCH AREA	PLASMA ELECTROLYTIC OXIDATION COATINGS





RESEARCH SCHOLAR PROFILE

-		7
A	All	

NAME	KARTHIKEYAN G
ROLL NO	412118003
RESEARCH GUIDE	Dr.D.NAGARAJAN
ВАТСН	2018-2023
RESEARCH AREA	METAL FORMING

$\frac{\text{PUBLICATIONS IN THE SCHOLARLY JOURNALS}}{\text{NIL}}$





RESEARCH SCHOLAR PROFILE

NAME	KAVITHA G
ROLL NO	412118004
RESEARCH GUIDE	Prof. S. Raman Sankaranarayanan
ВАТСН	2018-23
RESEARCH AREA	Process Metallurgy

PUBLICATIONS IN THE SCHOLARLY JOURNALS

➤ Kavitha Gunabalapandian, Santigopal Samanta, Ravi Ranjan, Shiv Brat Singh, Investigation of Austenitization in Low Carbon Microalloyed Steel During Continuous Heating, May 2017, Volume 48, <u>Issue 5</u>, pp 2099–2104





RESEARCH SCHOLAR PROFILE

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NAME	M.VISHNUKUMAR
ROLL NO	412118005
RESEARCH GUIDE	Dr.V.MUTHUPANDI
ВАТСН	2018
RESEARCH AREA	ADDITIVE MANUFACTURING





RESEARCH SCHOLAR PROFILE

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NAME	KRISHNAVENI.U
	412118006
ROLL NO	
	Dr.S.Kumaran
RESEARCH GUIDE	
	2018-2023
BATCH	
RESEARCH AREA	Bio-materials

PUBLICATIONS IN THE SCHOLARLY JOURNALS

<u>Nil</u>





RESEARCH SCHOLAR PROFILE

	NAME	<u>Chandrakala</u>
	NAME	412918001
3.5	ROLL NO	
	RESEARCH GUIDE	Dr. S. Kumaran (and Dr. B. P. Saha)
		2018-2019
	ВАТСН	
	RESEARCH AREA	Non-Oxide Ceramics

PUBLICATIONS IN THE SCHOLARLY JOURNALS

Has completed the course work recently (July 2018 –December 2018), hence no publications so far.





RESEARCH SCHOLAR PROFILE

I	
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NAME	THANGAVEL N
ROLL NO	412118051
RESEARCH GUIDE	<u>Dr.S.Kumaran</u>
ВАТСН	
RESEARCH AREA	Thermoelectric Materials

PUBLICATIONS IN THE SCHOLARLY JOURNALS

<u>NIL</u>





RESEARCH SCHOLAR PROFILE



NAME	Pradeep S
ROLL NO	312118001
RESEARCH GUIDE	Dr.S. Muthukumaran
ВАТСН	July 2018
RESEARCH AREA	Gas Tungsten Arc Welding (GTAW)