National Institute of Technology, Tiruchirappalli:
Performa for CV of Faculty/ Staff Members

Curriculum Vitae

Brief Profile:

Dr. V. Anandakrishnan was born on January 3, 1977 in Karaikudi (India). He received his B.E. degree in Mechanical Engineering from Bharathidasan University (India) in 1999. Then, he received his M.E. degree in Production Engineering from Annamalai University (India) in 2001. Then, he received his Ph.D. in Production Engineering from National Institute of Technology Tiruchirappali (India) in 2010. Since 2008, he has been an Assistant Professor at National Institute of Technology Tiruchirappali (India). His R&D activities include the development and investigations on metal matrix composites. He is a consultant for advanced manufacturing processes for DRDO laboratories. He has authored and co-authored many refereed articles most concentrating on manufacturing possibilities of metal matrix composites. Email: krishna@nitt.edu

1.	Name	Dr. V.Anandakrishnan
2.	Designation:	Assistant Professor
3.	Office Address:	Department of Production Engineering National Institute of Technology, Tiruchirappalli-620015
4.	Telephone (Direct) (Optional):	0431-2503521
	Telephone : Extn (Optional):	
	Mobile (Optional):	9842167599
5.	Email (Primary): krishna@nitt.edu	Email (Secondary) : krish3177@gmail.com
6.	Field(s) of Specialization:	Additive Manufacturing processes, Powder Metallurgy, Composite Materials Processing, Material Synthesis & Characterization, Design and Optimization of Manufacturing Processes (Casting, Forming, Machining & Joining), Modeling of Manufacturing Processes, Non-Traditional Manufacturing Processes, Tribology, Mechanical Behavior of Materials

7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	National Institute of Technology, Tiruchirappalli	7th Nov 2008	Till date
Lecturer	SASTRA University, Thanjavur	June 2005	Oct 2008
Full-Time Ph.D. Scholar	National Institute of Technology, Tiruchirappalli	Jan 2004	May 2005
Lecturer	Anjalai Ammal Mahalingam Engineering College, Kovilvenni	May 2002	Dec 2003

8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	National Institute of Technology, Tiruchirappalli	2010	-	Production Engineering
M.E.	Annamalai University	2001	First class	Production Engineering
B.E.	Bharathidasan University	1999	First class	Mechanical Engineering

9. Academic/Administrative Responsibilities within the University

Position	**Faculty/Department/Centre/ Institution**	**From**	**To**
Course co-ordinator	First year – Engineering Mechanics subject	2009	2010
Staff Advisor	B.Tech Production Engineering – first year	2010	2013
PAC Chairman	B.Tech Production Engineering– first year	2012	2013
Staff Advisor	M.Tech Manufacturing Engineering – first year	2014	2015
PAC Chairman	M.Tech Manufacturing Engineering – first year	2014	2015
Warden	Boy's Hostel, Garnet B, NIT Trichy	2013	2016
Timetable Co-ordinator	Department of Production Engineering	2010 2011 2015	2011 2012 2016
Coordinator central workshop	Department of Production Engineering	2015	2016
Member, Ph.D. Selection committee	Department of Production Engineering	2015	2016

Project coordinator	M.Tech. Manufacturing Engineering	2015	2016
Convocation Registration committee member	Department of Production Engineering	2011	2016
Member Transport committee	National Institute of Technology, Trichy	2015	2016
Member Estate Welfare committee	National Institute of Technology, Trichy	2015	2016

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
BOS member - Department of mechatronic	Paavai Engineering College, Pachal - 637 018, Namakkal District, Tamil Nadu	2015	2017
BOS member - Department of mechanical Engineering	M Kumarasamy college of Engineering, Karur, Thalavapalayam, Tamil Nadu 639113, Tamil Nadu	2015	2016
Member in laboratory development	Indian Institute of Crop Processing Technology, Thanjavur – 613005, Tamil Nadu	2010	2011

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2014	Excellent Oral Presentation	International Conference (ICMMA-14) hosted by the International Association of Computer Science and Information Technology

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
-	-	-	-	-

13. Details of Academic Work

(i) Curriculum Development –

Introduced and revised the following subjects for UG and PG curriculum Kinematics of Machinery, Dynamics of Machinery, Unconventional Machining process and Advanced Machining Technology

(ii) Courses taught at Postgraduate and Undergraduate levels

Metal cutting, Theory of Plasticity, Advanced Machining Technology

(iii) Projects guided at Postgraduate level

Sl. No	Name of the Thesis	Year
1	Investigations on machining behaviour of Al-TiC Metal Matrix Composites	Dec-09
2	Study on tool wear and surface roughness in machining of in situ Al-TiC Metal Matrix Composites	May-10
3	An algorithm for greening the outbound function of a supply chain	Dec-10
4	Development of in situ Al-ZrB_2 Metal Matrix Composite and investigations on tool wear during machining	Dec-10
5	Prediction of quality in extrusion of Metal Matrix Composites using ANN	May-11
6	Development and investigation on wear behaviour of AA7075-ZrB2 In-situ MMC's	May-11
7	Modelling and analysis of Extrusion of Metal Matrix Composites	May-11
8	An integrated multi objective decision making process for the performance evaluation of the vendors	May-11
9	Optimization of forming parameters Al-TiC Metal Matrix Composites using Grey –Taguchi method	May-12
10	An integrated hybrid rough set based QFD approach for vendor selection	May-12
11	Tribological behaviour of hot forged AA6061-TiB_2 metal matrix composites	Dec-12
12	Investigations on wear behaviour of hot forged AA6061-ZrB_2 MMC's	Dec-12
13	Investigations on Electrical Discharge Machining of Al-TiB_2 metal matrix composites	May-13
14	Study on the Influence of ZrB_2 reinforcement in Electrical Discharge Machining of Aluminium Metal Matrix Composites	May-13
15	Artificial Neural Network modelling of AA6061xwt%$TiC_{(x=0,2.5,5)}$ Metal Matrix Composite's workability behavior	Dec-13
16	Synthesis and characterization of copper hybrid metal matrix composites	Dec-13
17	Synthesis and characterization of aluminum hybrid metal matrix composites	Dec-13
18	Investigation on the in Electrical Discharge Machining of copper hybrid metal matrix composites	May-14
19	Study on the Influence of Graphite reinforcement in Electrical Discharge Machining of Al hybrid Metal Matrix Composites	May-14
20	Artificial Neural Network modelling of Electrical Discharge Machining AA8011-xwt%ZrB_2(x=0,4,8) Metal Matrix Composites	May-14

21	Investigations on Wear behaviour of Aluminium matrix hybrid composites produced through Powder Metallurgy Technique	Dec-14
22	Investigations on Wear behaviour of Magnesium matrix composites produced through Powder Metallurgy Technique	Dec-14
23	Modelling of workability behavior of Cu-Al_2O_3-Gr hybrid Metal Matrix Composites using ANN, Fuzzy logic and multiple regression analysis	Dec-14
24	Modelling of loan default prediction for retail banks by logistic regression using SAS	May-15
25	Hot deformation behaviour of Al 5wt% TiO_2 4wt%Gr composite using constitutive Model and processing map	May-15
26	Hot deformation behaviour of Magnesium matrix composite using constitutive Model and processing map	May-15
27	Optimization of process parameters for powder suspended electrical discharge machining of aluminum alloy 7075	Dec-15
28	Optimization of process parameters for powder suspended electrical discharge machining of Ti-6Al-4V	Dec-15
29	Optimization of Electrical Discharge Machining behavior of Cu-Al_2O_3-Gr hybrid Metal Matrix Composite using ANN, Fuzzy and multiple regression analysis	Dec-15
30	Optimization of wire electrical discharge machining of aluminium alloy 7075	May-16
31	Optimization of wire electrical discharge machining of hybrid copper composites	May-16

(iv) Other contribution(s)

14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Investigation on the properties of direct metal laser fabricated material and its brazing compatibility with nickel based casing	CARS/GTRE	Oct 2014	May 2016	Completed
Exploratory studies on abrasive jet machining of super alloys	CARS/GTRE	July 2016	Jan 2018	Ongoing

15. Number of PhDs guided : Completed – 01 ; Ongoing – 09

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
S.Baskaran	Development and Investigations on Dry Sliding Wear Behaviour of AA7075-TiC In-Situ Metal Matrix Composites	Supervisor	2015

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date	Title of Activity	Level of Event (International / National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
26th November 2010.	Optimization in Engineering	National Level Seminar	Chairperson &Speaker	Dept. of Mechanical Engineering	Modern Manufacturing Practices at K.S.Rangasamy College of Technology, Tiruchengode
10th February 2011.	Research Techniques & Optimization in Engineering	National Level One Day Workshop	Speaker	Dept. of Mechanical Engineering	Research Methodology at Sudharsan Engineering College, Sathiyamangalam
29th June 2013.	Lecture - Powder Metallurgy Techniques	National Level Workshop	Speaker	Dept. of Mechanical Engineering	M.Kumarasamy College of Engineering, Karur
6th July 2013.	Overview of Piping Engineering and its applications in various fields.	National Level Seminal	Chairperson &Speaker	Dept. of Mechanical Engineering	M.Kumarasamy College of Engineering, Karur
8th August 2013.	Lecture – CNC Turning & Milling	National Level Workshop	Speaker	Dept. of Mechanical Engineering	Vel Tech University, Chennai
13th September 2013.	Lecture – Introduction to Composite Materials	National Level Workshop	Speaker	Dept. of Mechanical Engineering	Vetri Vinayaha College of Engineering and Technology, Tholurpatti, Thottiam (Tk), Trichy (Dt)

13th September 2013.	Lecture – Powder Metallurgy Techniques	National Level Workshop	Speaker	Dept. of Mechanical Engineering	Vetri Vinayaha College of Engineering and Technology, Tholurpatti, Thottiam (Tk), Trichy (Dt)
19th January 2014.	Innovation in Engineering	National Level Workshop	Speaker	Dept. of Mechanical Engineering	CK College of Engineering, Cuddalore
30th October 2014.	Lecture – Mechanics of Solid Contacts	National Level Workshop	Speaker	Dept. of Mechanical Engineering	CECASE, NIT Trichy
4th March 2015.	Lecture – Powder Metallurgy	National Conference	Chairperson &Speaker	Dept. of Mechanical Engineering	Star Lion Engineering College, Thanjavur
21st May 2015.	Lecture – Composite Materials	National Level Workshop	Speaker	Dept. of Mechanical Engineering	Kings Engineering College, Punalkulam, Thanjavur
10th February 2016.	Guest Lecture – Matrix Composites	National level	Speaker	Dept. of Mechanical Engineering	M.Kumarasamy College of Engineering, Karur-639 113

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Production Processes for Defence Applications	National	27th May to 1st June 2013	Co-ordinator	NIT Trichy
Design and Optimization of Production Management Systems	National	3rd June to 8th June 2013	Co-ordinator	NIT Trichy

18. Invited Talks delivered

Topic	Date	Inviting Organization
Composite Materials	20th February 2010	PRIST University, Vallam
Manufacturing Processes and Composite Materials	14th August 2010	Fatima Michael College of Engineering and Technology, Madurai
Cam	26th December 2011	Kongu Engineering College, Perundurai, Erode
Smart Materials	27th January 2012	Annai College of Engineering and Technology, Kumbakonam
Advances in Engineering Materials	27th January 2012	Annai College of Engineering and Technology, Kumbakonam
Composite Materials	4th February 2012	Vel Tech Multi Tech Dr. Rangarajan Dr.Sakunthala Engineering College, Chennai
Composite Materials	10th February 2012	EGS Pillai Engineering College, Nagapattinam
Powder Metallurgy Techniques	16th February 2012	AVC Engineering College, Mayiladuthurai
Scientific Methods of Research	10th March 2012	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai
Kinematics of Machinery	4th June 2012	PSNA Engineering College, Dindugul
Developments in Mechanical Engineering	18th July 2012	Cauvery College of Engineering, Tiruchirappalli
Introduction to Kinematics of Machinery & Cam	10th September 2012	Vel Tech Multi Tech Dr. Rangarajan Dr.Sakunthala Engineering College, Chennai
Introduction to Kinematics of Machinery & Cam	10th September 2012	Vel Tech High Tech Dr. Rangarajan Dr.Sakunthala Engineering College, Chennai
Developments in Mechanical Engineering	22nd September 2012	Indra Ganesan College of Engineering, Tiruchirappalli
Dynamics of Machinery	29th September 2012.	Vel Tech (Owned by R.S.Trust), Chennai
Kinematics of Machinery	29th September 2012.	Vel Tech (Owned by R.S.Trust), Chennai
Production Planning and Control - Lean Manufacturing	18th March 2013	Vel Tech Multi Tech Dr. Rangarajan Dr.Sakunthala Engineering College, Chennai
Introduction to Powder Metallurgy	27th May 2013	National Institute of Technology, Tiruchirappalli
Introduction to Composite Materials	29th May 2013	National Institute of Technology, Tiruchirappalli

Scientific Method of Research	1st June 2013	National Institute of Technology, Tiruchirappalli
Composite Materials through Powder Metallurgy Technique	26th June 2013	Government College of Engineering, Bargur – 635104
Free Vibrations	26th July 2013	Vel Tech Multi Tech Dr. Rangarajan Dr.Sakunthala Engineering College, Chennai
Kinematics of Machinery	26th July 2013	Vel Tech High Tech Dr. Rangarajan Dr.Sakunthala Engineering College, Chennai
Engineering in INDIA	1st July 2013	Sri Venkateswara Institute of Engineering and Technology, Krishnagiri
Theory of Machines	1st July 2013	Sri Venkateswara Institute of Engineering and Technology, Krishnagiri
Powder Metallurgy Techniques	8th August 2013	Vellammal Engineering College, Chennai
Dynamics of Machinery	16th August 2013	Vel Tech (Owned by R.S.Trust), Chennai
Kinematics of Machinery	17th August 2013	Vel Tech (Owned by R.S.Trust), Chennai
Kinematics of Machinery	17th August 2013	Vel Tech Multi Tech Dr. Rangarajan Dr.Sakunthala Engineering College, Chennai
Cutting Tool Technology	19th August 2013	SMILE 2k13
Powder Metallurgy Techniques	31st August 2012	Cauvery College of Engineering, Tiruchirappalli
Dynamics of Machinery	12th October 2013	Gnanamani College of Technology, Namakkal(Dt)
Micro Manufacturing	7th December 2013	EGS Pillai Engineering College, Nagapattinam
Micro Manufacturing	17th December 2013	NIT Trichy
Design of Gearbox	26th December 2013	Kongu Engineering College, Perundurai, Erode
Composite Materials	28th December 2013	N.S.N.College of Engineering and Technology, Karur
Mechanical Behaviour of Materials	31st January 2014	EBET Group of Institutions, NIT Trichy
Design of Gearbox	7th February 2014	Vel Tech Multi Tech Dr. Rangarajan Dr.Sakunthala Engineering College, Chennai
Powder Metallurgy	2nd April 2014	The Rajaas Engineering College (formerly The Indian Engineering College) Vadakkangulam, Nagercoil

Composite Materials	5th April 2014	Shanmuganathan Engineering College, Arasampatti, Pudukkottai District
Lean Manufacturing	12th April 2014	EGS Pillai Engineering College, Nagapattinam
Micro Electro Mechanical Systems (MEMS)	26th April 2014	EGS Pillai Engineering College, Nagapattinam
Composite Materials	3rd May 2014	EGS Pillai Engineering College, Nagapattinam
Developments in Mechanical Engineering	11th July 2014	Roever College of Engineering and Technology, Perambalur
Composite Materials and its Applications	13th August 2014	Vellammal Engineering College, Chennai
Dynamics of Machinery	13th August 2014	Vel Tech (Owned by R.S.Trust), Chennai
Dynamics of Machinery	18th August 2014	M.Kumarasamy College of Engineering, Karur
Dynamics of Machinery	25th August 2014	V.S.B. Engineering College, Karur
Developments in Mechanical Engineering	24th September 2014	ADHI College of Engineering, Chennai
Recent Trends in Engineering Industry	10th October 2014	CK College of Engineering & Technology, Jayaram Nagar, Chellangkuppam, Cuddalore
Kinematics of Machinery	3rd February 2015	M.Kumarasamy College of Engineering, Karur
Lean Manufacturing	7th March 2015	EGS Pillai Engineering College, Nagapattinam
Balancing of Masses	13th March 2015	Vellammal Engineering College, Chennai
Composite Materials	21st May 2015	Kings Engineering College, Punalkulam, Thanjavur
Failure mechanisms, fractography and worn surface analysis using macro/micrographs	10th July 2015	M.Kumarasamy College of Engineering, Karur
Dynamics of Machines	10th July 2015	M.Kumarasamy College of Engineering, Karur
Advances in casting	17th July 2015	Vellammal Engineering College, Chennai
Dynamics of Machinery	16th September 2015	Haji Sheik Ismail Engineering College, Esanoor, Nagapattinam
Recent Developments in Engineering Materials	11th February 2016	Dhanalakshmi Srinivasan Institute of Technology, Tiruchirappalli
Advances in manufacturing technology	13th February 2016	Vellammal Engineering College, Chennai
Manufacturing Technology for Mechatronics Engineers	24th February 2016	Paavai Engineering College, Namakkal

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life member	Society for Aerospace Quality and Reliability	389
Life member	PMAI	LM88314
Life member	ISTE	LM34560
Life member	IACSIT	80343331

20. Academic Foreign Visits

Country	Duration of Visit	Programme
Singapore	One Week	Visiting researcher at NUS

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Effect of geometric work-hardening and matrix work-hardening on new constitutive relationship for aluminium–alumina P/M composite during cold upsetting	International Journal of Mechanics and Materials in Design	Volume 4, Number 3	301–315	September 2008	1.926
R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Effect of carbon content on workability of powder metallurgy steels	Materials Science and Engineering A	Volume 494, Issues 1-2	337-342	October 2008	2.647
R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Some aspects on plastic deformation of copper and copper–titanium carbide powder metallurgy composite preforms during cold upsetting	International Journal of Material Forming	Volume 1, Number 4	189-209	December 2008	1.241

R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Effect of carbon content on instantaneous strain-hardening behaviour of powder metallurgy steels	Materials Science and Engineering A	Volume 497, Issues 1-2, 15	505-511	December 2008	2.647
R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Effect of geometric work-hardening and matrix work-hardening on workability and densification of aluminium-3.5% alumina composite during cold upsetting	Materials & Design	Volume 29, Issue 8	1582-1599	December 2007	3.997
R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Comparison of workability strain and stress parameters of powder metallurgy steels AISI 9840 and AISI 9845 during cold upsetting	Materials & Design	Volume 29, Issue 10	1919-1925	December 2008	3.997
R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Effect of molybdenum addition on workability of powder metallurgy steels during cold upsetting	Materials Science and Engineering	Volume 517, Issues 1-2	30-36	August 2009	2.647
A.Mahamani, V.Anandakrishnan	Multi-Response Optimization of turning Parameters of AL-6061-TIB2 in-situ metal Matrix Composite using Grey-Taguchi Method	International eJournal of Mathematics and Engineering	Volume 1, Issue 2	246-255	2010	-
V.Anandakrishnan, A.Mahamani	Investigations of flank wear, cutting force, and surface roughness in the machining of Al-6061–TiB2 in situ metal matrix composites produced by flux-assisted synthesis	The International Journal of Advanced Manufacturing Technology	Volume 55,Numbers 1-4	65-73	December 2010	1.568
A.Mahamani, N.Muthukrishnan, V.Anandakrish	Determination of optimum parameters for multi-performance characteristic in	International Journal of Manufacturing, Materials,	Volume 2, Issue 1	11-30	January-March 2012	0.92

nan	turning of Al-6061-6%ZrB2 in-situ metal matrix composite using grey relational analysis	and Mechanical Engineering				
G.M.Balamurugan, Muthukannan Duraiselvam, V.Anandakrishnan	Comparison of high temperature wear behaviour of plasma sprayed WC–Co coated and hard chromium plated AISI 304 austenitic stainless steel	Materials & Design	Volume 35	640-646	March 2012	3.997
J.Bensam Raj, P.Marimuthu, M.Prabhakar, V.Anandakrishnan	Effect of sintering temperature and time intervals on workability behaviour of Al–SiC matrix P/M composite	The International Journal of Advanced Manufacturing Technology	Volume 61, Issue 1-4	237-252	July 2012	1.568
V.Anandakrishnan, V.Senthilkumar	Mathematical Modeling of Machining Parameters in Electrical Discharge Machining with Cu-B4C Composite Electrode	Advanced Materials Research	Volume 488-489	871-75	March 2012	0.23
V.Anandakrishnan, S.Baskaran, S.Sathish	Synthesis and Forming Behaviour of AA 7075–TiC Metal Matrix Composites	Advanced Materials Research	Volume 651	251 – 56	Jan 2013	0.23
J.Bensam Raj, P.Marimuthu, M.Prabhakar, V.Anandakrishnan	Effect of Sintering Temperature on the Formability and Pore Closure Behavior of Al-SiC Composites	Applied Mechanics and Materials	Volume 392	24-30	Sep 2013	0.16
J.Bensam Raj, P.Marimuthu, M.Prabhakar, V.Anandakrishnan	Workability Behavior of Al-SiC Matrix P/M Composites Under Triaxial Stress State Condition	International Review of Mechanical Engineering	Volume 7(5)	947-954	2013	0.83
N.Senthilkumar, T.Tamizharasan, V.Anandakrishnan	An ANN approach for predicting the cutting inserts performances of different geometries in hard turning	Advances in Production Engineering & Management	Volume 8 (4)	231–241	Dec 2013	1.125

Mohit Sahu, A.Valarmathi, S.Baskaran, V.Anandakrishnan, Rupesh Pandey	Multi-Objective Optimization of Upsetting Parameters of Al-TiC Metal Matrix Composites A Grey-Taguchi approach	Proceedings of the Institution of Mechanical Engineers, Part B Journal of Engineering Manufacture	Volume 228	1501-1507	February 2014 2014/11/1	0.978
M.Ravichandran, A.Naveen Sait, V.Anandakrishnan	Synthesis and forming behavior of aluminium-based hybrid powder metallurgic composites	International Journal of Mineral, Materials and Metallurgy	Volume 21, Number 2	181-189	February 2014	0.882
M.Ravichandran, A.Naveen Sait, V.Anandakrishnan	Effect of TiO2 in Aluminium Matrix on Workability Behavior of Powder Metallurgy Composites during Cold Upsetting	International Journal of Materials Research	Volume 105, Issue 4	358-364	April 2014	0.73
M.Ravichandran, A.Naveen Sait, V.Anandakrishnan	Al–TiO2–Gr powder metallurgy hybrid composites with cold upset forging	Rare Metals	Volume 33, Issue 6	686-696	December 2014	0.957
M.Ravichandran, A.Naveen Sait, V.Anandakrishnan	Densification and deformation studies on sintered powder metallurgy aluminium hybrid composite	Journal of Materials Research	Volume 29, Number 13	1-8	July 2014	0.73
S.Baskaran, V.Anandakrishnan, Muthukannan Duraiselvam, S.Raghuraman, V.M. Illayaraja Muthaiyaa	Taguchi grey relational analysis of dry sliding wear behaviour of annealed AA7075-TiC metal matrix composites	Applied Mechanics and Materials	Volume. 541	258-262	June 2014	0.16
S.Baskaran, B.M.Muthamizh Selvan, V.Anandakrishnan, R.Venkatraman, Muthukannan	Effect of heat treatment on wear behavior of hot extruded AA7075 - 4%TiC in-situ metal matrix composite	Applied Mechanics and Materials	Volume. 541	263-267	June 2014	0.16

Duraiselvam						
B.Selvam, P.Marimuthu, R.Narayanasamy, V.Anandakrishnan, K.S.Tun, M.Gupta, M.Kamaraj	Dry sliding wear behaviour of zinc oxide reinforced magnesium matrix nano-composites	Materials and Design	Volume 58	47–481	June 2014	3.997
S.Baskaran, V.Anandakrishnan, Muthukannan Duraiselvam	Investigations on dry sliding wear behavior of in-situ casted AA7075-TiC metal matrix composites by using Taguchi technique	Materials and Design	Volume 60	184-192	August 2014	3.997
I.Arun, P.Vaishnavi, M.Duraiselvam, V.Senthilkumar, V.Anandakrishnan	Development of carbide intermetallic layer by electric discharge alloying on AISI-D2 tool steel and its wear resistance	International Journal of Materials Research	Volume 105, Issue 6	544-551	June 2014	0.73
C.Raja, R.Devi, S.Sivaprakash, V.Anandakrishnan	Synthesis and Characterization of Al7075, Al7075-10 Vol.% Al2O3 Composite Prepared by High-Energy Ball Milling	Applied Mechanics and Materials	Volume 592	755-759	July 2014	0.16
R.Devi, C.Raja, S.Sivaprakash, V.Anandakrishnan	Synthesis of Al7075 Alloy/Al2O3 Composite and Corrosion Study	Advanced Materials Research	Volume 954	541-545	July 2014	0.23
Ilangovan Arun, Muthukannan Duraiselvam, V.Senthilkumar, R.Narayanasamy, V. Anandakrishnan	Synthesis of electric discharge alloyed nickel–tungsten coating on tool steel and its tribological studies	Materials and Design	Volume 63	257–262	November 2014	3.997
N.Senthilkuma	Experimental	Measurement	Volume 58	520–	Decem	1.742

r, T.Tamizharasan, V.Anandakrishnan	investigation and performance analysis of cemented carbide inserts of different geometries using taguchi based grey relational analysis			536	ber 2014	
N.Senthilkumar, T.Tamizharasan, V.Anandakrishnan	An Hybrid Taguchi-Grey Relational Technique and Cuckoo Search Algorithm for Multi-Criteria Optimization in Hard Turning of AISI D3 Steel	Journal of Advanced Engineering Research,	Volume 1, Issue 1	16-31	2014	0.546
D.Jeyasimman, R.Narayanasamy, R.Ponalagusamy, V.Anandakrishnan, M.Kamaraj	The effects of various reinforcements on dry sliding wear behaviour of AA 6061 nanocomposites	Materials and Design	Volume 64	783–793	Novem ber 2014	3.997
Manickam Ravichandran, Abdullah Naveen Sait, Veeramani Anandakrishnan	Workability Studies on Al+2.5%TiO2 +Gr Powder Metallurgy Composites During Cold Upsetting	Materials Research	Volume 17, Issue 6	1489-1496	Decem ber 2014	1.01
A. Naveen Sait and V.Anandakrishnan M. Ravichandran	Hot Upset Forging Studies on Al-2.5%-TiO2-C Hybrid Powder Metallurgy Composite	Transactions of Powder Metallurgy Association of India	Volume 40, Issue 2	43-49	Decem ber 2014	-
Manickam Ravichandran and Veeramani Anandakrishnan	Optimization of powder metallurgy parameters to attain maximum strength coefficient in Al–10 wt% MoO3 composite	Journal of Materials Research	Volume 30	2380-2387	August 2015	1.579
M. Ravichandran, A. Naveen Sait, and V. Anandakrishnan	Synthesis and forming characteristics of Al–TiO2 powder metallurgy composites during cold upsetting under plane stress	Journal of Sandwich Structures and Materials	Volume 17 no. 3	278-294	May 2015	2.852

	state conditions					
C. Saravanan, K. Subramanian, V. Ananda Krishnan, and R. Sankara Narayanan	Effect of Particulate Reinforced Aluminium Metal Matrix Composite–A Review	Mechanics and Mechanical Engineering	Volume 19, no. 1	23-30	February 2015	0.47
M. Ravichandran, VS. Vidhya, V. Anandakrishnan an	Study of characteristics of Al + 5 wt.% TiO2 + 6 wt.% Gr hybrid P/M composite powders prepared by ball milling process	Physicochemical Mechanics of Materials	Volume 4	136-143	February 2015	0.143
Manickam Ravichandran, Mokkaiya Thirunavukkarasu, Shanmugam Sathish and Veeramani Anandakrishnan	Optimization of welding parameters to attain maximum strength in friction stir welded AA7075 joints	Materials Testing	Volume 58, No.3	206-210	March 2016	0.266
M Ravichandran, V Anandakrishnan	Hot Upset Studies on Sintered (Al–TiO2–Gr) Powder Metallurgy Hybrid Composite	Strength of Materials, Springer	Volume 48, issue 3	450-459	May 2016	0.462

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Dr. V.Anandakrishnan	Short term training program on Advances in Non – Traditional Machining and Welding processes	-	-	-	Kongu Engineering College, Perundurai, Erode.	2002
Dr. V.Anandakrishnan	Course on Kinematics of Machine	-	-	-	Anna University, Chennai	2003
Dr.	National level	-	-	-	BHEL &	2009

V.Anandakrishnan	seminar on Non-Destructive evaluation				NIT, Trichy	
Dr. V.Anandakrishnan	Influence of carbon content on workability of PM steels	International Conference PM-09		Powder metallurgy	Goa	2009
Dr. V.Anandakrishnan	Mechanical alloying of aluminium based metal matrix composites: A review	International Conference on Recent Advances in Material Processing		Trends in Materials	Kovilpatti	2009
Dr. V.Anandakrishnan	Two weeks ISTE workshop on Heat transfer by IIT Bombay	-	-	-	NIT, Trichy	2011
Dr. V.Anandakrishnan	Two day ISTE workshop on Aakash for Eduaction by IIT Bombay	-	-	-	NIT, Trichy	2012
Dr. V.Anandakrishnan	Summer workshop on Mechanical Property Characterization	-	-	-	IISC, Bangalore	2012
Dr. V.Anandakrishnan	Faculty training program on Teaching Learning Methodologies	-	-	-	IIT Madras	2012
Dr. V.Anandakrishnan	Two day faculty orientation program on Class room management and communication	-	-	-	NIT, Trichy	2012
Dr. V.Anandakrishnan	Winter workshop on Ecanning Electron Microscopy	-	-	-	IISC, Banagalore	2012
Dr. V.Anandakrishnan	Mathematical Modeling of Machining Parameters in Electrical Discharge Machining with Cu-B_4C Composite Electrode	ICMIE		Adavnces in Manufacturing	Singapore	2012
Dr. V.Anandakrishnan	Synthesis and Forming Behaviour	ICMIE		Adavnces in material	Singapore	2012

	of AA 7075–TiC Metal Matrix Composites			engineering		
Dr. V.Anandakrishnan	One day workshop on curriculum Development in Production Engineering	-	-	-	NIT, Trichy	2013
Dr. V.Anandakrishnan	Short term course on Surface engineering for tribological applications				NIT, Trichy	2013
Dr. V.Anandakrishnan	Tribological analuses of AISI 304 Austenitic Stainless steel at high temperature	International conference on advances in mechanical and computer engineering		Trends in mechanical Engineering	Haryana	2013
Dr. V.Anandakrishnan	Hot Upset Forging Studies on Al-2.5%TiO2-Gr Hybrid Powder Metallurgy Composite	International Conference on Powder Metallurgy and Particulate Materials		Trends in powder metallurgy	Chennai	2014

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
A.K. Basak, A. Pramanik, Nazrul Islam, V. Anandakrishnan	Challenges and recent developments on nano-particle reinforced metal matrix composite	Woodhead Publishing Ltd	2/7/2015	978-0-0-08-100079-3 (Print) 978-0-0-08-100082-3 (Online)
F. Hakami, A. Pramanik, M.N. Islam, A.K. Basak, V. Anankrishnan	Surface engineering of stainless steel	Nova Science Publishers Inc	1/4/2015	978-1634820806
A. Pramanik, A.K. Basak, J. Nomani, G. Littlefair, M.N. Islam, V. Anandakrishnan,	Weldability and machinability of duplex stainless steel	Nova Science Publishers Inc	1/4/2015	978-1634820806