



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

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

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D	Anna University, Chennai,	2016		Polymer Composites
M.E-CAD	Anna University, Chennai,	2011	1 <sup>st</sup> class with Distinction	CAD
B.E (Mechanical Engineering)	Anna University, Chennai,	2008	1 <sup>st</sup> class	(Mechanical Engineering)
D.M.E	DOTe	2005	1 <sup>st</sup> class	(Mechanical Engineering)
Secondary School Leaving Certificate (SSLC)	Government Higher Secondary School-Panruti	2002	1 <sup>st</sup> class	Mathematics and Basic Science

### 9. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2013-2016	TEQIP-Fellowship	MHRD	Jan 2013	Jun 2016

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

Date (s)	Title of Activity	Level of Event (International / National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
07 & 8 <sup>th</sup> March 2014.	International conference on Recent Advances in Mechanical Engineering and Interdisciplinary Developments	International	Participant	Ponjesly College of Engineering	

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11 <sup>th</sup> and 12 <sup>th</sup> October 2014.	International Conference on Polymer Processing and Characterization (ICPPC-2014)	International	Participant	Mahatma Gandhi University Kottayam
10 <sup>th</sup> April 2015.	“International Conference on Polymer Processing and Characterization (ICPPC-2014)	International	Participant	PET Engineering College, Vallioor, Tirunelveli,
21-24 February 2014.	International Conference on Advances in Tribology (ICAT 14)	International	Participant	National Institute of Technology (NIT), Calicut, Kerala, India

11. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date
NIL		

12. Publications

(A) Refereed Research Journals:

Author (s)	Title of the paper	Journal	Vol. No.	Page No.	Year	Impact Factor
N.S. Balaji, and S. Jayabal.	"Artificial neural network modeling of mechanical behaviors of zeafiber–polyester composites."	Journal of Process Mechanical Engineering:	Vol. 230(1)	45–55.	2016	1.22
N.S. Balaji, S. Jayabal and S.Kalyana Sundaram	“A Neural Network based Prediction Modeling for Machinability Characteristics of Zea Fiber-Polyester Composites”	Transactions of the Indian Institute of Metals,	, Vol. 69, (4)	881–889	2016	0.910

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Jayabal, S., Rajamuneeswaran, R. Ramprasath, and <b>N. S. Balaji.</b>	"Artificial Neural Network Modeling of Mechanical Properties of Calcium Carbonate Impregnated Coir-Polyester Composites."	Transactions of the Indian Institute of Metals,	vol. 66, no. 3	247-255.	2013	0.910
ana Sundaram, S, Jayabal, S.and <b>Balaji, N.S.</b>	“Study of chemical and mechanical properties of Dharbai fiber reinforced polyester composites”	Advanced Composite materials	doi/abs/10.1080/09243046.2017.1394667		2018	0.481
<b>N.S.Balaji,</b> S.Jayabal, and S.KalayanaSundaram	Study on Mechanical Properties of Corn-Cellulose Fibers Reinforced Polyester Composites”	“Macromolecular Symposia,	Vol. 361,	42–46.	2016	-
<b>N.S. Balaji,</b> S.Jayabal, T.Krishnan, and M.Chellamalai	“Prediction of drilling responses in fiber reinforced polyester composites using Fuzzy Logic”	Manufacturing Technology Today	Vol. 12, No.4,	. 5-13	2013	-
<b>N.S. Balaji,</b> S. Jayabal, S. KalyanaSundaram, S. Rajamuneeswaran, and P. Suresh.	"Delamination Analysis in Drilling of Coir-Polyester Composites Using Design of Experiments."	Advanced Materials Research,	984,	185-193,	2014.	-
Rajamuneeswaran, S. Jayabal, <b>N. S. Balaji,</b> and A. Karthikeyan.	"Crab carapace particles filled coir reinforced polyester composites; Impact strength and Fractography study."	International Journal of Chem Tech Research,	vol. 6,	6-12	2014	-