Curriculum Vitae

Dr. P Kumar is currently working as an assistant professor in the Department of Production Engineering, National Institute of Technology Tiruchirappalli, India. Dr. Kumar obtained his PhD in Mechanical Engineering from Indian Institute of Technology Patna, Bihar, India in 2020. His PhD work is focused on the deformation based Joining analysis of materials with both experimental and theoretical components. Before PhD he worked on testing and characterization of Aluminium Alloy in CSIR-AMPRI Bhopal.

1.	Name:	P Kumar
2.	Designation:	Assistant Professor
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4.	Telephone (Direct) (Optional): Telephone : Extn (Optional): Mobile (Optional):	04312503525
5.	Email (Primary):pintu@nitt.edu	Email (Secondary) :pin.kumar650@gmail.com
6.	Field(s) of Specialization:	Forming, Joining, Finite Element Analysis of Metal Forming

7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	National Institute of Technology Tiruchirappalli, 620015, Tamil Nadu, India	04-10-2022	Till date
Assistant Professor	KIIT Deemed to be University, Bhubaneswar, 751002, Odisha, India	02-08-2019	30-09-2022

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

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	Indian Institute of Technology Patna	2020	7.2 (CGPA)	Forming
BE	Lakshmi Narain College of Technology Bhopal	2012	75%	Mechanical Engineering

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
2013	Research Fellowship	MHRD India	March 2013	March 2015
2012	Research Fellowship	MHRD India	March 2012	March 2014

13. Details of Academic Work
(i) Curriculum Development
(ii) Courses taught at Postgraduate and Undergraduate levels
(iii)Projects guided at Postgraduate level
(iv)Other contribution(s)

14. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
P Kumar, S S Panda	Joining of two similar PA-6 rods through equal channel angular press	CIRP Journal of Manufacturing Science and Technology	36	133-142	2022	3.56

	based Y-shape extrusion channel					
P Kumar, S S Panda	Bottom of Form Assessment of Thermoplastic Weldability Using the Deformation Technique	Welding Journal	98	165-171	2019	------
P Kumar, S S Panda	An innovative method to join two polymer rods through Y-shape extrusion channel	Measurement	119	270-282	2018	5.131
P Kumar, S S Panda	A review on properties and microstructure of micro-extruded product using SPD and as-cast material.	Sādhanā.	43	1-20	2018	1.214
P Kumar, S S Panda	Numerical simulation of Al1070 alloy through hybrid SPD process.	The International Journal of Advanced Manufacturing Technology.	91	835-846	2017	3.563

(B) Conferences/Workshops/Symposia Proceedings

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
P Kumar, S S Panda	Joining of PA-6/PA-6 rods through ECAP based Y-shape extrusion channel	Lecture Notes in Mechanical Engineering (LNME), Springer	NA	CAMSE	NITJ	2021
P Kumar, S S Panda	Finite element analysis of die offsetin two-turn incremental ECAP	Materials Today: Proceedings Elsevier	2419-2424	ICMPC	Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad	2017

P Kumar, S S Panda	Finite element analysis of die angle at constant offset length in two-turn ECAP	IOP Conference Series: Materials Science and Engineering	012139	IConAMMA	Amrita Vishwa Vidyapeetham, Carmelaram, Bengaluru	2016
P Kumar, S S Panda	Stress Analysis of Extruded AL-1070 Alloy With Changed Scale and Temperature Using Deform Simulation	Stress Analysis of Extruded AL-1070 Alloy With Changed Scale and Temperature Using Deform Simulation	NA	INCAPIE	NITT	2015
P Kumar, S S Panda	Deformation validation and property analysis of pure aluminium during two turn equal channel angular pressing	Deformation validation and property analysis of pure aluminium during two turn equal channel angular pressing	NA	COPEN-9	IIT Bombay,	2015
P Kumar, S S Panda	A review on micro-extruded microstructure from ultra-fine grained and as cast	A review on micro-extruded microstructure from ultra-fine grained and as cast	1-6	AIMTDR	IIT Guwahati	2014

(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number
P Kumar, S S Panda	Simulations for Design and Manufacturing	Springer, Singapore	2018	978-981-10-8517-8