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Ph.D Supervisor Details

1. Name of the Faculty:	Dr.B.Chokkalingam
2. Designation:	Professor
3. Department:	Mechanical Engineering
4. Anna University Ref. No. for Supervisor Recognition:	2520060
5. Title of Ph.D. Thesis:	Studies on Development of Microalloyed Cast Steel
6. Faculty in which Ph.D was awarded:	Mechanical Engineering
7. Area of Specialization in Ph.D:	Mechanical Engineering
8. Year of Ph.D Completion:	2012
9. Year of got Supervisor Recognition:	2015



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10. List of Journals papers published:

Sl. No.	Author's	Title of the Paper	Name of the Journal	URL of the Journal Home Page	Volume, Issue no & Year of Publication	ISSN No.	DOI No.
1.	R Immanuel, K Kannan, B Chokkalingam, B Priyadarshini, J Sathya, S Sudharsan, E Raghu Nath	Performance Prediction of solar still using Artificial neural network	Materials Today: Proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785322054852	Volume 72, Part 1, 2023, Pages 430-440, 2023	2214-7853	https://doi.org/10.1016/j.matpr.2022.08.311
2.	B Chokkalingam, M Priya, R Immanuel, B Varun	Identification of the Root Causes for Blowhole Defect in Castings Using Quantitative Risk Ishikawa Diagrams	Journal of Advanced Manufacturing Systems	https://www.worldscientific.com/doi/abs/10.1142/S0219686722500081	Volume 21, issue 2, Pages 367-392, 2022	0219-6867	https://doi.org/10.1142/S0219686722500081
3.	I Karthikeyan, R Immanuel, A Paul Vinofer, E Varadha, B Chokkalingam	Multi-response optimization of the Thermal properties of Bio fluids using Taguchi-Grey Analysis	IOP Conference Series: Materials Science and Engineering	https://iopscience.iop.org/article/10.1088/1757-899X/1059/1/012051/meta	Volume 1059, issue 21, 2023, pp 012051, 2021	1757-899X	https://doi.org/10.1088/1757-899X/1059/1/012051
4.	V Raja, M Kavitha, B Chokkalingam, TS Ashraya	Effect of interlayers on mechanical properties of aluminium casting over stainless steel pipe for heat exchanger applications	Transactions of the Indian Institute of Metals	https://link.springer.com/article/10.1007/s12666-020-01937-5	Volume 73, issue 2, Pages 1555-1560, 2020	0972-2815	https://doi.org/10.1007/s12666-020-01937-5
5.	Immanuel Rajkumar, B Paul Vinofer, Nagarani S, B Chokkalingam, V. Raja, Dhineshkumar M	Thermal Performance Investigation of Spiral Solar Collector Using Cfd	International Journal of Advanced Science and Technology	http://sersc.org/journals/index.php/IJAST/article/view/24360	Volume 29, issue 12, Pages 1968-1981, 2020	2005-4238	--



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6.	B. Chokkalingam, A. Thangarasu, S. Sudharsan	Effect of Microalloying Elements on Microstructure and Mechanical Properties of Normalized Cast Steel	International Journal of Advanced Science and Technology	http://sersc.org/journals/index.php/IJAST/article/view/28991	Volume 29, issue 7, Pages 13075-13085, 2020	2005-4238	--
7.	B. Chokkalingam, S. Boovendravarma n, R. Tamilselvan, V. Raja	Application of Ishikawa Diagram to Investigate Significant Factors Causing Rough Surface on Sand Casting	Proceedings on Engineering Sciences	https://pesjournal.net/journal/v2-n4/2.pdf	Volume 29, issue 7, Pages 13075-13085, 2020	2620-2832	doi: 10.24874/PE S02.04.002
8.	B Chokkalingam, V Raja, M Dhineshkumar, M Priya, R Immanual	Energy Savings in Foundries through Yield Improvement and Defect Reduction in Castings	Archives of Foundry Engineering	https://yadda.icm.edu.pl/baztech/element/bwmeta1.element.baztech-4ed3319b-86a5-4ebf-85f5-bf33b7bce38d/c/afe2018_1_3chokkalingam_energy.pdf	Volume 18, issue 1, Pages 15-18, 2018	2299-2944	DOI: 10.24425/118804
9.	V. Raja, B. Chokkalingam, R.Immanual, B. Paulvinofer	Fabrication and Hardness Examination of Recycled Plastic Composite with Glass Fibre	International Research Journal of Engineering and Technology	https://www.irjet.net/archives/V4/i1/IRJET-V4I1207.pdf	Volume 4, issue 1, Pages 1160-1163, 2017	2395-0072	--
10.	R.Immanual R, B.Paul Vinofer, B.Chokkalingam, B.Varun, S.Oswalt Manoj, V.Raja, M.Dhinesh Kumar	Prediction of Cooling Tower Thermal Characteristics using Newly Developed Software for a Chemical Industry	International Journal of ChemTech Research	https://www.sphinxesai.com/2017/ch_vol10_no12/abstracts/A(344-350)V10N12CT.pdf	Volume 10, issue 12, Pages 344-350, 2017	0974-4290	--
11.	I Karthikeyan, B Chokkalingam, V Rajkumar, R Immanual, P Vasanthakumar	A novel method in the production and Optimization of Process Parameters in turning LM6 Aluminium alloy with Borosilicate Reinforcement	International Journal of ChemTech Research	https://www.sphinxesai.com/2017/ch_vol10_no14/abstracts/A(110-116)V10N14CT.pdf	Volume 10, issue 14, Pages 110-116, 2017	0974-4290	--



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12.	B Chokkalingam, V Raja, J Anburaj, R Immanuel, M Dhineshkumar	Optimization of micro-alloying elements for mechanical properties in normalized cast steel using taguchi technique	Archives of Foundry Engineering	https://yadda.icm.edu.pl/baztech/element/bwm/eta1.element.baztech-d9d08bc2-da21-4499-a223-3aa0cc5d5028	Volume 17, issue 2, Pages 15-18, 2017	2299-2944	DOI: 10.1515/afe-2017-0070
13.	B Chokkalingam, V Raja, J Anburaj, R Immanuel, M Dhineshkumar	Investigation of shrinkage defect in castings by quantitative Ishikawa diagram	Archives of Foundry Engineering	https://journals.pan.pl/dlibra/doccontent?id=101989	Volume 17, issue 1, Pages 171-177, 2017	2299-2944	DOI: 10.1515/afe-2017-0070
14.	Bommannan Chokkalingam, S. S. Mohamed Nazirudeen, Sukaswami S. Ramakrishnan	Investigation into the mechanical properties of micro-alloyed as-cast steel	Materiali tehnologije	http://mit.imt.si/izvodi/mit112/chokkalingam.pdf	Volume 45, issue 2, Pages 159-162, 2011	1580-2949	--
15.	B.Chokkalingam, S.S Mohamad Nazirudeen	Effects of Microalloying on Hardness and Toughness in Cast Steels	Journal of Engineering Annals of Faculty of Engineering Hunedoara	https://annals.fih.upt.ro/pdf-full/2010/ANNALS-2010-3-82.pdf	Volume 8, issue 3, Pages 422-425, 2010	1584-2673	--
16.	S.S Mohamad Nazirudeen, B.Chokkalingam	Analysis of Sand Casting Defects- Sand Drop	Indian Foundry Journal	https://www.indianfoundry.org/indian-foundry-journal.php	Volume 55, issue 12, Pages 57-59, 2009	0379-5446	--
17.	S.S Mohamad Nazirudeen, B.Chokkalingam	Analysis of Sand Casting Defects- Slag Inclusion	Indian Foundry Journal	https://www.indianfoundry.org/indian-foundry-journal.php	Volume 55, issue 11, Pages 41-43, 2009	0379-5446	--
18.	B.Chokkalingam, S.S Mohamad Nazirudeen	Analysis of Sand Casting Defects- Slag Inclusion	Indian Foundry Journal	https://www.indianfoundry.org/indian-foundry-journal.php	Volume 55, issue 7, Pages 30-32, 2009	0379-5446	--
19.	Bommannan Chokkalingam, S. S. Mohamed Nazirudeen	Investigations of micro-alloyed cast steels	Materiali tehnologije	http://mit.imt.si/izvodi/mit093/chokkalingam.pdf	Volume 43, issue 3, Pages 171-174, 2009	1580-2949	--



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20.	B Chokkalingam, SS Mohamed Nazirudeen	Analysis of casting defect through defect diagnostic study approach	Journal of Engineering Annals of Faculty of Engineering Hunedoara	https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=e41ce65fd8865b40cbb634a056b6bd42df38321c	Volume 2, issue 1, Pages 209-212, 2019	1584-2673	--
21.	B Chokkalingam, B Ravichandran, V Sanjith, M Sathyanarayanan	Controlling of Casting Defect Through Defect-Solving Technique	Indian Foundry Journal	https://www.indianfoundry.org/indian-foundry-journal.php	Volume 52, issue 10, Pages 34-38, 2006	0379-5446	--
22.	B Chokkalingam, LM Lakshmanan, IV Sidarthan	Elimination of defect and increasing the yield of a ductile iron castings by redesigning the feeding system	Indian Foundry Journal	https://www.indianfoundry.org/indian-foundry-journal.php	Volume 52, issue 6, Pages 25-29, 2006	0379-5446	--
23.	B.Chokkalingam, P.Sadagopan	An Analysis of Energy Loss Through Excessive Scrap in Foundries	Technology Trends	--	Volume 7, issue 3, Pages 41-42, 2006	0972-5040	--
24.	B.Chokkalingam, S.P. Premkumar,S. Sathishkumar	Defect Analysis in Brake Drum Castings	Foundry	--	Volume 15, issue 4, Pages 75-79, 2005	--	--
25.	B.Chokkalingam, P.Sadagopan	Defect Reduction in Sand Castings – A Practical Approach	Foundry	--	Volume 18, issue 5, Pages 77-81, 2005	--	--
26.	M.Arasu, B.Chokkalingam	Energy Saving Techniques in Induction Melting Operations in Iron Foundries	Foundry	--	Volume 16, issue 1, Pages 53-55, 2004	--	--
27.	M.Arasu, B.Chokkalingam	Energy Saving Techniques in Induction	Foundry	--	Volume 16, issue 1, Pages 53-55, 2004	--	--



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		Melting Operations in Iron Foundries					
28.	B.Chokkalingam, R.Subamanian.D. Krishnaraj	Design and Fabrication of a Ball Mill for Mechanical Alloying	Technology	--	Pages 188-190, 2000	0973- 1334	--



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11. Ph.D Research Scholars Details:

Sl.No	Reg. No	Name	Faculty	Reg. Year	Present Status	If completed, Year of Completion	Title of Thesis	No. of Journals Published	Thesis Copy*
1.	Nil								