

**Dr. M.Uthayakumar**  
**Professor**  
**Automobile Engineering**  
**Kalasalingam Academy of Research and Education**  
**Srivilliputhur**  
**626128**  
**9443918525**

#### **PUBLICATION DETAILS:**

Machining behavior of AA6351–SiC–B4C hybrid composites fabricated by stir casting method  
S. Thirumalai Kumaran, M. Uthayakumar, Adam Slota, S. Aravindan & Jerzy Zajac  
Pages 586-592 | Accepted author version posted online: 29 Sep 2015, Published online: 31 Dec 2015  
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Wear performance of Al–SiC–B4C hybrid composites under dry sliding conditions  
Author links open overlay panel M.Uthayakumara S.Aravindan b K.Rajkumar b  
A Department of Mechanical Engineering, Kalasalingam University, Krishnankoil 626 126, India  
B Department of Mechanical Engineering, Indian Institute of Technology, Hauz Khas, New Delhi 110 016, India  
Received 15 September 2012, Accepted 29 November 2012, Available online 7 December 2012.  
Materials & Design Volume 47, May 2013, Pages 456-464

EFFECT OF FIBRE LENGTH AND FIBRE CONTENT ON MECHANICAL PROPERTIES OF SHORT BASALT FIBRE REINFORCED POLYMER MATRIX COMPOSITES P. Amuthakkannan<sup>1\*</sup>, V. Manikandan<sup>2</sup>, J.T. Winowlin Jappes<sup>3</sup>, M. Uthayakumar<sup>2</sup>  
<sup>1</sup> Department of Mechanical Engineering, Kalasalingam University, Krishnankoil, India  
<sup>2</sup> Veerasamy Chettiar College of Engineering and Technology, Puliangudi, India  
<sup>3</sup> Department of Mechanical Engineering, Cape Institute of Technology, Levengipuram, India  
\*e-mail: pa\_kanna@yahoo.co.in.  
Materials Physics and Mechanics 16 (2013) 107-117 Received: January 9, 2013

Machinability of Nickel-Based Superalloy by Abrasive Water Jet Machining  
M. Uthayakumar, M. Adam Khan, S. Thirumalai Kumaran, Adam Slota & Jerzy Zajac  
Pages 1733-1739 | Received 25 Mar 2015, Accepted 02 Sep 2015, Accepted author version posted online: 21 Oct 2015, Published online: 07 Jun 2016 **Materials and Manufacturing Processes** Volume 31, 2016 - Issue 13.

Influence of red mud on the mechanical, damping and chemical resistance properties of banana/polyester hybrid composites  
Author links open overlay panel V.Arumuga prabua M.Uthayakumara V.Manikandana N.Rajinia P.Jeyarajb  
A Department of Mechanical Engineering, Kalasalingam University, Krishnankoil 626126, India  
B Department of Mechanical Engineering, National Institute of Technology, Surathkal 575025, India  
Received 24 January 2014, Accepted 11 July 2014, Available online 4 August 2014. **Materials & Design** Volume 64, December 2014, Pages 270-279

Prediction of surface roughness in abrasive water jet machining of CFRP composites using regression analysis

Author links open overlay panelS. ThirumalaiKumaranaTae JoKoaM.UthayakumarbMd. Mofizullslama  
A School of Mechanical Engineering, Yeungnam University, 214-1 Dae-dong, Gyeongsan-si,  
Gyeongsangbuk-do 712-749, South Korea  
B Faculty of Mechanical Engineering, Kalasalingam University, Krishnankoil, 626 126, Tamilnadu, India  
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Rotary ultrasonic machining of woven CFRP composite in a cryogenic environment  
Author links open overlay panelS.Thirumalai KumaranaTae JoKoaChangpingLiaZhenYuaM.Uthayakumarb  
A School of Mechanical Engineering, Yeungnam University, 214-1 Dae-dong, Gyeongsan-si,  
Gyeongsangbuk-do, 712-749, South Korea  
B Faculty of Mechanical Engineering, Kalasalingam University, Krishnankoil, 626 126, Tamilnadu, India  
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page(s): 1011-1019 Article first published online: May 17, 2018; Issue published: August 1, 2018  
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Defence Technology  
Volume 15, Issue 4, August 2019, Pages 557-564 Drilling study on lightweight structural Mg/SiC  
composite for defence applications  
Author links open overlay panelK.BalamuruganaM.UthayakumarbS.Thirumalai  
KumaranbG.S.SamybU.T.S.Pillaic  
A Department of Mechanical Engineering, VFSTR (Deemed to be University), Guntur, 522213, India  
B Faculty of Mechanical Engineering, Kalasalingam University, Krishnankoil, 626126, Tamil Nadu, India  
C CSIR-NIIST, Material Science and Technology Division, Thiruvananthapuram, 695019, India  
Received 20 September 2018, Revised 21 December 2018, Accepted 14 January 2019, Available online  
14 January 2019.

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Author links open overlay panelK.BalamuruganaM.UthayakumarbS.SankarcU.S.HareeshcK.G.K.Warrierc  
A Department of Mechanical Engineering, VFSTR (Deemed to be University), Guntur 522213, India

B Faculty of Mechanical Engineering, Kalasalingam University, Krishnankoil 626 126, India

C Material Sciences and Technology Division, National Institute for Interdisciplinary Science and Technology, Council of Scientific and Industrial Research, Thiruvananthapuram 695019, India

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Author links open overlay panel S. Vigneshwaran<sup>a</sup>, R. Sundarakannan<sup>a</sup>, K. M. John<sup>a</sup>, R. Deepak<sup>a</sup>, Joel Johnson<sup>b</sup>, K. Arun Prasath<sup>a</sup>, S. Ajith<sup>c</sup>, V. Arumugaprabu<sup>a</sup>, M. Uthayakumara<sup>a</sup>

A Faculty of Mechanical Engineering, Kalasalingam Academy of Research and Education, Krishnankoil, 626 126, India

B Faculty of Mechanical Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Thandalam, Chennai, 602 105, Tamil Nadu, India

C Faculty of Civil Engineering, Kalasalingam Academy of Research and Education, Krishnankoil, 626 126, India

Received 12 March 2020, Revised 11 August 2020, Accepted 29 August 2020, Available online 7 September 2020. Journal of Cleaner Production Volume 277, 20 December 2020, 124109.

Solid particle erosion study on red mud - an industrial waste reinforced sisal/polyester hybrid composite

S Vigneshwaran<sup>1</sup>, M Uthayakumar<sup>1</sup> and V Arumugaprabu<sup>1</sup>

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Mechanical Properties of Basalt and Glass Fiber Reinforced Polymer Hybrid Composites

[Amuthakkannan, P.](#); [Manikandan, V.](#); [Uthayakumar, M.](#) Journal of Advanced Microscopy Research, Volume 9, Number 1, March 2014, pp. 44-49(6) [American Scientific Publishers](#)

## **A review on erosion studies of fiber-reinforced polymer composites**

[S Vigneshwaran](#), [M Uthayakumar](#), [V Arumugaprabu](#)

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Pandian Amuthakkannan<sup>1</sup>, Vairavan Manikandan<sup>1</sup>, Jebbas Thangaiah Winowlin Jappes<sup>1</sup>, and Marimuthu Uthayakumar<sup>1</sup>

<sup>1</sup> Department of Mechanical Engineering, Kalasalingam University, Krishnankoil 626 126, India

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Electrochemical Behaviour and Surface Studies on Austenitic Stainless Steel and Nickel-Based Superalloy Dissimilar Weld Joints M. Adam KhanEmail authorD. ChellaganeshM. UthayakumarJ. T. Winowlin JappesMuthukannan Duraiselvam

Potential use of industrial waste-red mud in developing hybrid composites: A waste management approach

Author links open overlay panelS.VigneshwaranM.UthayakumarV.Arumugaprabu

Faculty of Mechanical Engineering, Kalasalingam Academy of Research and Education, Krishnankoil, 626 126, India

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## Dynamic Behaviour of Woven Bio Fiber Composite

*Murugan Rajesh, Mohamed Thariq Hameed Sultan, Marimuthu Uthayakumar, Kandasamy Jayakrishna, Ain Umaira Md Shah*

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Effect of chemical treatment on erosion properties of jute polyester composites

S. Vigneshwaran<sup>1</sup>, M. Uthayakumar<sup>1</sup>, V. Arumugaprabhu<sup>1,a</sup>), A. Ramesh<sup>1</sup>, K. Muthu Kumar<sup>1</sup>, and K. Pasupathi<sup>1</sup> AIP Conference Proceedings > Volume 2057, Issue 1 > 10.1063/1.5085634

Wear studies of copper-fly ash composite under dry sliding conditions

P Balamurugan<sup>1</sup>, M Uthayakumar<sup>1</sup> and Magdalena Niemczewska-Wójcik<sup>2</sup>

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