Sl. No.	Name with full address	Area of specialization
Panel Member from other University/Institution		
6.	Name : **Dr. K. Shanmugam** Designation : Professor Department : Manufacturing Engineering Address : Annamalai university, Chidambaram Tamil Nadu 608002 Mobile : 9443556585 E-mail : drshanmugam67@gmail.com	Composites Manufacturing Material joining Surface Engineering

List of Publications for last 5 years	
1.	Nadeem, H., Naseri, M., Shanmugam, K., Dehghani, M., Browne, C., Miri, S., ... & Batchelor, W. (2020). An energy efficient production of high moisture barrier nanocellulose/carboxymethyl cellulose films via spray-deposition technique. *Carbohydrate Polymers*, *250*, 116911.
2.	Shanmugam, K., Ang, S., Maliha, M., Raghuwanshi, V., Varanasi, S., Garnier, G., & Batchelor, W. (2020). High-performance homogenized and spray coated nanofibrillated cellulose-montmorillonite barriers. *Cellulose*, 1-12.
3.	Nadeem, H., Naseri, M., Shanmugam, K., Browne, C., Garnier, G., & Batchelor, W. (2020). Impact of heat drying on the physical and environmental characteristics of the nanocellulose-based films produced via spray deposition technique. *Cellulose*, 1-15.
4.	Shanmugam, K., Nadeem, H., Browne, C., Garnier, G., & Batchelor, W. (2020). Engineering surface roughness of nanocellulose film via spraying to produce smooth substrates. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, *589*, 124396.
5.	Onur, A., Shanmugam, K., Ng, A., Garnier, G., & Batchelor, W. (2019). Cellulose fibre-perlite depth filters with cellulose nanofibre top coating for improved filtration performance. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, *583*, 123997.
6.	Shanmugam, K., Doosthosseini, H., Varanasi, S., Garnier, G., & Batchelor, W. (2019). Nanocellulose films as air and water vapour barriers: A recyclable and biodegradable alternative to polyolefin packaging. *Sustainable Materials and Technologies*, *22*, e00115.
7.	S.J. Hariharan, M. Vigneshwar, S.T. Selvamani, K. Shanmugam, K. Palanikumar, Optimizing the Plasma Arc Welding Process Parameters to Attain the Minimum Corrosion Rate in the AISI 409M grade Ferritic Stainless Steel Autogenous Joints, Materials Today: Proceedings, Volume 16, Part 2, 2019, Pages 1259-1270
8.	Vignesh, S., Shanmugam, K., Balasubramanian, V., Sridhar, K., & Thirumalaikumarasamy, D. (2018). Electrochemical corrosion behaviour of HVOF sprayed iron-based amorphous metallic coatings on AISI 316 stainless steel in an NaCl solution. *Journal of the Mechanical Behavior of Materials*, *27*(3-4).
9.	Shanmugam, K., Doosthosseini, H., Varanasi, S., Garnier, G., & Batchelor, W. (2018). Flexible spray coating process for smooth nanocellulose film production. *Cellulose*, *25*(3), 1725-1741.
10.	Vignesh, S.; Shanmugam, K.; Balasubramanian, V.; Sridhar, K.; Jayaraj, R. Kamal, Establishing Empirical Relationship to Predict the Corrosion Rate of HVOF Sprayed Iron Based Amorphous Metallic Coating on 316 Stainless Steel, Journal of Advanced Microscopy Research (2017),Volume 12, Number 3, December 2017, pp. 182-189(8)
11.	Shanmugam, K., Varanasi, S., Garnier, G., & Batchelor, W. (2017). Rapid preparation of smooth nanocellulose films using spray coating. *Cellulose*, *24*(7), 2669-2676.
12.	Vignesh, S., Shanmugam, K., Balasubramanian, V., & Sridhar, K. (2017). Identifying the optimal HVOF spray parameters to attain minimum porosity and maximum hardness in iron based amorphous metallic coatings. *Defence technology*, *13*(2), 101-110.
13.	Shanmugam, K., Balasubramanian, V., & Vignesh, S. (2016). Microstructural and Corrosion Properties of Atmospheric Plasma Sprayed Alumina Coatings on AZ31B Magnesium Alloy Under Sodium Chloride Environment. *Journal for Manufacturing Science and Production*, *16*(2), 89-102.

14.	Selvamani, S. T., Palanikumar, K., Shanmugam, K., Divagar, S., & Vigneshwar, M. (2015, November). The Relationship Between Tensile and Fatigue Strength of Friction Welded Steel Joints. In *ASME International Mechanical Engineering Congress and Exposition* (Vol. 57571, p. V014T11A002). American Society of Mechanical Engineers.
15.	Thirumalaikumarasamy, D., Shanmugam, K., & Balasubramanian, V. (2015). Developing Empirical Relationships to Predict Porosity and Microhardness of Atmospheric Plasma-Sprayed Alumina Coatings on AZ31B Magnesium Alloy. *Journal for Manufacturing Science and Production*, *15*(2), 169-181.