

| Name of Researcher: Dr Surendra (Colin) Thakur                                 | International Country Collaborations to end of year 2018   |
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| Dr Surendra Thakur   | International Exchange Student from Thailand – Mr Anantachin Paphala from March – April 2018   |
| Dr Rob Elkington, University of Ontario Institute of Technology, Canada        | Unpacking the Digital Being Conference - 01 March 2019 – ‘Leadership Decision Making in VUCA Contexts: Leveraging Big Data for Rapid Reflection Forces and Experimentation at the Margins’   |
| Dr Temitayo Matthew Fagbola, Dr Surendra (Colin) Thakur                        | TERMHIGEN – A Hybrid Metaheuristic Technique for Solving Large-Scale Vehicle Routing Problem with Time,<br><i>International Journal of Engineering Research and Technology. ISSN 0974-3154, Volume 12, Number 2 (2019), pp. 180-195 © International Research Publication House.</i><br><a href="http://www.irphouse.com">http://www.irphouse.com</a> 180                           |
| Dr Temitayo Matthew Fagbola, Dr Surendra (Colin) Thakur, Prof Oludayo Olugbara | Rab-KAMS: A Reproducible Knowledge Management System with Visualization for Preserving Rabbit Farming and Production Knowledge<br><i>(IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 10, No. 1, 2019</i>  |
| Dr Temitayo Matthew Fagbola, Dr Surendra (Colin) Thakur                        | Investigating the Effect of Implementation Languages and Large Problem Sizes on the Tractability and Efficiency of Sorting Algorithms<br><i>International Journal of Engineering Research and Technology. ISSN 0974-3154, Volume 12, Number 2 (2019), pp. 196-203 © International Research Publication House.</i><br><a href="http://www.irphouse.com">http://www.irphouse.com</a> |
| Dr Surendra (Colin) Thakur   | Manchester, UK, DIODE Workshop - Development Implications of Digital Economies: Findings and Next Steps (April 2018) and is an associate member  |
| Vasudeo, A. Thakur, S. Thakur, R   | Dam: Rubber Dam - <i>An Introduction, Hydraulic Rubber Dam - An Effective water management technology</i> – India, First Edition, to be published by Elsevier Publishers, (2018)   |
| Kanchi, S. Thondavada, N. Thakur, S  | “Recent trends in sensors for health and agricultural applications” <i>Advanced Biosensors for Health Care Applications</i> , Netherlands: Elsevier, (2018)  |
| Vasudeo, A. Thakur, S. Thakur, R   | Dam: Rubber Dam - <i>An Introduction, Hydraulic Rubber Dam - An Effective water management technology</i> – India, First Edition, to be published by Elsevier Publishers, (2018)   |
| S. Thakur, N. A. Tshidzumba, and R. Millham                                    | e-Citizenship: a panacea for citizen driven services?, <i>Making Popular Participation Real: African and International Experiences</i> , Chapter 14, Peter Lang Publishers: Germany, (2018)  |

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| Khan, Y and Thakur, S  | Khan, Y and Thakur, S (2018) The presence of Twitter bots and cyborgs in the #FeesMustFall campaign, IEEE conference in Mauritius. Dec 2018   |
| Dr Wassim Ahmed<br>PhD in Information Science, Department:<br>Newcastle Business School<br>Associate Professor in Digital Business,<br>Northumbria University, United Kingdom (UK) | Big Data Workshop<br>"Gaining Powerful Insights into Social Media Methods and Tools"<br>01 -02 August 2018  |
| Dr Wassim Ahmed<br>PhD in Information Science, Department:<br>Newcastle Business School<br>Associate Professor in Digital Business,<br>Northumbria University, United Kingdom (UK) | Public Lecture:<br>"Using Twitter data to provide qualitative insights into pandemics and epidemics"<br>03 August 2018  |
| Kala, J.R. <sup>1</sup> Shabat, A. <sup>1</sup> Adetiba, E. <sup>2,3</sup> and Thakur, C. <sup>4</sup>   | IEEE conference 2018<br>Hybrid Leaf Recognition Model for Plant Classification with Convolutional Neural Network based Transfer Learning  |
| Ayami, Y. Shabat, A. and Thakur, C.  | IEEE Conference 2018<br>An Acceleration Scheme of Local Directional Pattern: An Application to Facial Recognition   |
| Temitayo, F.M, Thakur, C. Olugbara, O. Rab-  | IEEE Conference 2018<br>KAMS: A reproducible Knowledge Archiving and Management system with visualization and end-users' mobile interface for preserving rabbit farming and production knowledge. |
| Abgehadji, I. Millham, R and Thakur, C.<br>Visualization of frequently changed patterns based on dung beetle navigation and orientation behaviour. <i>IEEE</i>                     | IEEE Conference 2018<br>Visualization of frequently changed patterns based on dung beetle navigation and orientation behaviour  |