



evropský  
sociální  
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EVROPSKÁ UNIE



MINISTERSTVO ŠKOLSTVÍ,  
MLÁDEŽE A TĚLOVÝCHOVY



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

## Evaluation of post-doc activities

On 26.06.2015, three postdocs namely **Dr. Jaromir Marek**, **Dr. Mohamed Eldessouki** and **Dr. VijaykumarBaheti** from Department of material engineering, Faculty of Textile Engineering, presented the status of their activities. Following are the observations of the committee consisting of Prof. BK Behera (IIT Delhi) and Prof. Arun Aneja (East Carolina University, USA).

### 1. **Dr. Jaromir Marek**

Dr. Marek possesses a strong industrial background with a focus on polymeric membrane. He spent about 6 months at MIT, USA working on scale up for purification of water using electrochemistry. This exposure will boost his research potential in future. He has also 2 patents to his credit in the field of membrane technology. He is using sustainable strategies in his research. Based on this the committee recommends Dr. Marek's candidature for a position in the university.

### 2. **Dr. Mohamed Eldessouki**

He has a basic degree in textile engineering With higher degrees in chemical engineering and polymer science. He has a strong background in modeling and commuter applications. He is inclined to pursue the research field of yarn structure and modeling. He spent a few months at Northwestern University to enhance his research capabilities. The committee feels that his research area is too broad and needs to focus on selected areas for growth.

### 3. **Dr. VijaykumarBaheti**

He is working in the field of particle based nanocomposites. He has made original contribution in the field of natural nano whiskers. Further he continues to work in the same area during his post PhD tenure for development of various nano particle based materials. He has also undergone a 2 months internship at IIT Delhi and developed some structural composites based on woven, nonwoven and knitted structures. The committee finds his approach positive and recommends his candidature as he in working on novel concepts and futuristic and sustainable materials.

The committee is satisfied by the progress of work done by all 3 candidates during their postdoc work.

Prof. B K Behera (IIT Delhi)

*B K Behera* 26.06.2015

Prof. Arun Aneja (East Carolina University, USA)

*Arun Aneja* 26.06.2015