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1. Name: **Dr. Vijay Kumar Kalyani**
2. Date of Birth: 1st February, 1959
3. Current Position and Address (with E-mail & Phone no.) :
C-1, 1st Floor, Prabha Apartment, Luby Circular Road, Dhanbad - 826001 (Jharkhand) ;
Email: vkkalyani@yahoo.com ; Mobile No.: 9471191109
4. Educational qualifications: (Graduation and above)

Sl. No.	Degree/ Certificate	Year of Passing	University/ Institute	Subjects
i	B.Sc (H)	1978	Burdwan University	Mathematics
ii	M.Sc	1982	Birla Institute of Technolgy, Ranchi	Applied Mathematics
iii	M.Phil (Gold Medal)	1984	Indian School of Mines, Dhanbad	Applied Mathematics
iv	Ph.D	1988	Indian School of Mines, Dhanbad	Applied Mathematics
v	M.Tech	1997	Indian School of Mines, Dhanbad	Computer Applications

5. Work experience

Designation	Institution/company	From	To	Nature of work
Scientist-B	Central Fuel Research Institute, Dhanbad	17/8/1990	16/8/1995	Software development and Mathematical Modeling
Scientist-C	Central Fuel Research Institute, Dhanbad	17/8/1995	16/8/2000	Software development and Mathematical Modeling
Scientist-E1	Central Fuel Research Institute, Dhanbad	17/8/2000	19/3/2002	Software development and Mathematical Modeling
Scientist-E1	Central Mining Research Institute, Dhanbad	20/3/2002	16/8/2005	Software development and Mathematical Modeling
Principal Scientist	Central Institute of Mining & Fuel Research, Dhanbad	17/8/2005	16/8/2010	Software development and Mathematical

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				Modeling
Sr. Principal Scientist	Central Mining Research Institute, Dhanbad	17/8/2010	Continue	Software development and Mathematical Modeling, Project Monitoring & Evaluation.

6. Area of specialization : Software Development, PME, Mathematical Modeling.
7. Honors/Awards received: Received ISM Gold Medal in M. Phil course after securing first position.
8. Fellowships/Scholarships: NIL
9. No. of Research Publications:
 - Papers in journals:
 - In conference proceedings:
 - Invited/key-note addresses:
 - List of best 05 publications:

Sl. No	Authors	Title of the Article	Year of Publication	Name of Journal	Country	Vol No. Issue, Pages	DOI
1	V.K.Kalyani , K K Sharma, T G Charan and Amalendu Sinha	Application of central Composite Design with Response Surface Methodology in Beneficiation Studies of Coal Fines Using an Oleo-Flotation Process	2012	Int. Jr. of coal Preparation and Utilization IF:0.727	Taylor & Francis	Vol.32, Issue 5, 2012, P.225-237	10.1080/19392699.2012.695414
2	Sanjay Chaudhury, V K Kalyani, S. Kumari, T G Charan and Amalendu Sinha	Improved Collector for Beneficiation of Low-Volatile Medium Ash Content Clean Coal Fines by Froth Flotation Method	2014	Int. Jr. of coal Preparation and Utilization IF:0.727	Taylor & Francis	Vol.34, Issue 6, 2014, P.321-331	10.1080/19392699.2014.896350
3	V.K.Kalyani	Finite –	2014	Applied	Elsevier	Vol.237,	10.1016/j

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	, Pallavika and S.K. Chakraborty	difference time – domain method for modeling of seismic wave propagation in viscoelastic media		Mathe matics and Comput ation	Publicati on IF: 1.551	15 June 2014, P.133-145	.amc.201 4.03.029
4	T.Gouri Charan, V.K. Kalyani, K.K. Sharma Lalan Kumar, Sweta Kumari, Amalendu Sinha	Use of an Artificial Neural Network to Evaluate the Oleo-Flotation Process Treating Coal Fines	2014	Int. Jr. of coal Prepara tion and Utilizat ion IF:0.72 7	Taylor & Francis	Vol.34, issue 5, Sept. 2014,P.22 9-238	10.1080/1 9392699. 2013.869 585
5	R. Tripathi, V K Kalyani, L.C. Ram and G.S. Jha	Prediction of wheat Yield from Pond Ash Amended Field by Artificial Neural Network	2015	Predicti on of Hazard ous, Toxic, and Radioa ctive Waste	America n Society of Civil Engineer s	Feb. 2015	10.1061/(ASCE)H Z.2153- 5515.000 0273

10. Number of Books authored/edited: NIL

11. (a) No. of Patents granted/applied for: NIL

(b) Technologies developed, Licensed and/or commercialized: NIL

12. Foreign visits: NIL

13. Details of Professional memberships:

14. Major contributions: (Max. 150 words)

a. Developed website (www.pmeac.org) for online access of project related information of ongoing projects to project leaders / coordinators / Head of Departments etc.

b. Developed and upgraded regularly a database and application software in VB (Ver. 6.0) to develop challans, calculation of Service Tax, ECF calculation of the institute and also for different department of the institute.

c. Preparation of write up on the performance of the institute for annual reports.

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- d. Help in preparation of Annual Plan for further transmission to Planning and Performance Division of CSIR (HQ) for appropriate use at their end.
 - e. Preparation of Resource Utilization data (RUD) in respect of different projects of the institute for use at CSIR(HQ)
 - f. Preparation and compilation of necessary information of PME Cell for ISO Certification of the Institute.
 - g. Help in preparation of Quarterly Progress Report and Expenditure statement of on-going and Completed Grant-in-Aids projects of the Institute.
 - h. Organizing In-house Project Monitoring Committee to evaluate new project proposals and also monitor on-going In-house projects.
15. Technologies and Products/ Services : NIL
- (i) Developed:
 - (ii) Licensed:
 - (iii) Commercialized:
16. Designs and Prototype Developed: NIL
17. Honours and awards won for technological contributions or sociological impact of R&D: NIL

Signature