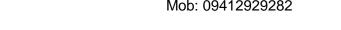
1. Name	:	Dr. RAMA DHAR DWIVEDI	
2. Date of Birth	:	30.06.1968	100
3. Current Position and Address with E-mail & Phone	:	Principal Scientist CSIR-CIMFR Regional Centre CBRI Campus ROORKEE-247 667 (Uttarakhand) Email: <u>rddwivedi@hotmail.com</u> Mob: 09412929282	





## 4. Educational qualifications: (Graduation and above)

SI. No.	Degree/ Certificate	Year of Passing	University/ Institute	Subjects
i	B. E.	1993	VNIT (formerly VRCE), Nagpur	Mining Engg.
ii	M. Tech.	1996	IT BHU, Varanasi	Mining Engg.
iii	Ph. D.	2015	IIT Roorkee, Roorkee	Civil Engg.

Topic of PhD: Behaviour of underground excavations under squeezing ground conditions 

5. Work experience				
Designation	Institution	From	То	Nature of work
i Group IV (1)	CIMFR	18.09.1996	31.12.2000	Sub-zero temp rock testing; Tunnelling
ii Group IV (2)	CIMFR	01.01.2001	31.12.2006	High temp rock testing; Tunnelling
iii. Group IV (3)	CIMFR	01.01.2007	31.12.2010	High temp rock testing; Tunnelling
iv. Group IV (4)	CIMFR	01.01.2011		Tunnelling; High rock temp testing
6. Area of spec	ialization :	Tunnelling an	d Undergrou	ind space technology; Rock testing
<ul> <li>7. Honors/Awards received:</li> <li>1. HEICO-Biennial best paper award in 2003</li> <li>2. Institutional award for a patent in 2008</li> <li>3. ISRMTT-Best paper award in 2013</li> <li>4. Associate editor of journal, JRMTT (since, Oct. 2014)</li> </ul>		patent in 2008 vard in 2013		
8. Fellowships/Scholarships:				
9. No. of Research Publications				
Papers	in journals		: 17	

- In conference proceedings : 44
- Invited lectures/key-note addresses : 11

- List of best 05 publications:
  - 1. **Dwivedi RD**, Singh M, Viladkar MN, Goel RK (2014). Estimation of support pressure during tunnelling through squeezing grounds. Engineering Geology, 168:9-22.
  - 2. **Dwivedi RD**, Singh M, Viladkar MN, Goel RK (2013). Prediction of tunnel deformation in squeezing grounds. Engineering Geology, 161: 55-64.
  - 3. Lokajíček Tomáš, Rudajev Vladimir, **Dwivedi RD**, Goel RK, Swarup A (2012). Influence of thermal heating on elastic elastic wave velocities in granulites. Int J Rock Mech and Ming Sci, 54:1-8.
  - 4. **Dwivedi RD,** Goel RK, Prasad VVR, Sinha Amalendu (2008). Thermo-mechanical properties of Indian and other granites. *Int J Rock Mech Min Sci*,; 45(3):303-315.
  - 5. **Dwivedi RD**, Soni AK, Goel RK, Dube AK (2000). Fracture Toughness of Rocks under Subzero Temperature Conditions, **Int J Rock Mech Min Sci**, Vol.37, pp.1267-1275.
- 10. Number of Books authored/edited: Edited (1) Course volume "Underground Engineering" (2) Conf. Proc. "INDOROCK 2011"
- 11. (a) No. of Patents granted/applied for: One granted
  - (b) Technologies developed, Licensed and/or commercialized: Developed an environmental chamber for rock testing upto 200°C
- 12. Foreign visits:

Sl. No.	Duration & year of Visit	Purpose of visit(s) & programme(s) under which visit(s) was/were made	Country
1.	18 days (16 <sup>th</sup> September to 4 <sup>th</sup> October, 2003)	Under S&T cooperation project entitled "Assessment of Stability & Reinforcement of Underground Structure through Numerical Modelling and Back Analysis" sponsored by CSIR, India & Academy of Sciences, Czech Republic.	Czech Republic
2.	20 days ( June 22 <sup>nd</sup> - 13 <sup>th</sup> July, 2009)	Under S&T cooperation project entitled "Assessment of Stability & Reinforcement of Underground Structure through Numerical Modelling and Back Analysis" sponsored by CSIR, India & Academy of Sciences, Czech Republic.	Czech Republic
3.	14 days 28 Oct – 10 Nov, 2012	Study of stress-state in underground structure by back analysis for assessing the time deformation " between CSIR, India & Academy of Sciences, Czech Republic	Czech Republic

13. Details of Professional memberships:

ISRMTT	Life member
ISRM	Member
MMGI	Associate
IMEJ	Life member

- 14 . Major contributions:
  - Worked on more than 35 tunnelling/mining projects and he also disseminated his knowledge and imparted trainings to the site personal engaged in tunnelling. He has also used his expertise to develop facilities for defence purposes.
  - Has been engaged in testing of rocks in the temperature range from -50°C to 200°C for defence and civil utility projects.
  - Received two best paper awards; one by Indian Geotechnical Society in 2003 and other by ISRMTT in 2013.
  - Received an Institutional Award for filing a patent in the field of Mining Technology and safety in the year 2008.
  - Published 61 research papers in International/National journals and conferences. He has also reviewed papers for some international journals; notable amongst these are *International Journal of Rock Mechanics and Mining Sciences, Rock mechanics and Rock Engineering, Tunnelling and Underground Space Technology and Engineering Geology.*
  - Organized a course on "Underground Engineering" during 15-17 Feb., 2010 for geologists and engineers engaged in tunneling and related projects in India and Bhutan. He is a faculty of *Academy of Scientific & Innovative Research (AcSIR)*.
  - Accepted a responsibility of editing *Journal of Rock Mechanics and Tunnelling Technology* as Associate Editor.
- 15. Technologies and Products/ Services
  - (i) Developed: Environmental Chamber and a lateral deformation measuring device
  - (ii) Licensed: Lateral deformation measuring device has been patented
  - (iii) Commercialized:
- 16. Designs and Prototype Developed:

Environmental Chamber and a lateral deformation measuring device and a Lateral deformation measuring device has been patented

- 17. Honours and awards won for technological contributions or sociological impact of R&D:
  - i. HEICO-Biennial best paper award in 2003
  - ii. Institutional Award for filing a patent in the field of Mining Technology and safety in the year 2008
  - iii. ISRMTT-Best paper award in 2013
  - iv. Associate Editor of journal, JRMTT (since, Oct. 2014)
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(Dr. R.D. Dwivedi)

Date: 1.1.2016, Roorkee