

## CURRICULAM VITAE

1. **NAME** : R.C. Agarwal
2. **DATE OF BIRTH** : 3<sup>rd</sup> June 1961
3. **PRESENT POSITION** : Principal Technical Officer
4. **OFFICE** : Transportation Planning and Environment Division,  
CSIR-Central Road Research Institute (CRRI),  
Mathura Road, New Delhi - 110 025, India
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### 7. QUALIFICATION:

<b>Certificate in “Cyber Laws”</b>	“O” Grade (76% to 100%)	Indian Law Institute, New Delhi	Feb. 2011
<b>PG- Professional Diploma in Quality Management (TQM)</b>	CGPA: 3.06 (≈ 84%)	AIMA-CME ( <i>in association with American Management Association</i> ), New Delhi	2000
<b>B. E. (Mech. Engg.)</b>	Ist Division (86.31%)	Jamia Millia Islamia, New Delhi - 25	1997
<b>Diploma in Mech. Engg.</b>	Ist Division (73.92%)	K. L. Polytechnic, Roorkee	1981

### 8. Current membership of Professional Bodies, Technical Committees, Societies, Academics with date from which he became member:

S. No.	Name of the Professional Body	Class of Membership
I.	“Indian Society for Technical Education”, IIT Campus, New Mehrauli Road, New Delhi -16.	“Life-Member” (MISTE) (No. LM-26967), w.e.f.: July, 1998
II.	“Indian Roads Congress”, Jamnagar House, Shahjahan Road, N. Delhi – 11.	“Member” (MIRC) (No. OM-25386), w.e.f.: Oct., 2000

III.	<b>“All India Management Association”</b> , Management House, 14, Institutional Area, Lodhi Road, New Delhi – 110 003. <i>(Member, Asian Association of Management Organisation – AAMO).</i>	<b>“Member” (MIMA)</b> (No. M-200111088), w.e.f.: April, 2001
IV.	<b>“Delhi Management Association”</b> , India Habitat Centre, Core – 6 A, 1st Floor, Lodhi Road, N. Delhi – 110 003.	<b>“Professional Member” (L.M.)</b> (No. PM-A 290/2001), w.e.f.: April, 2001
V.	<b>“The Institution of Engineers (India)”</b> , 8, Gokhale Road, Calcutta – 20.	<b>“Life Associate Member” (AMIE)</b> (No. AM/ 091226-6), w.e.f.: 1 <sup>st</sup> August, 2003
VI.	<b>“The Institution of Engineers (India)”</b> , 8, Gokhale Road, Calcutta – 20.	<b>Chartered Engineer (India), [C. Eng. (I)]</b> w.e.f.: Oct., 2003

## 9. AREA OF RESEARCH :

Born on 3<sup>rd</sup> June 1961, Sh. R.C. Agarwal did his Diploma in Mechanical Engineering in 1981 from KL Polytechnic, Roorkee and B.E. (Mech. Engg.) in 1997 from Jamia Millia Islamia, New Delhi. He holds a Post Graduation - Professional Diploma in Quality Management (TQM) in 2000 from AIMA (*in association with American Management Association*), New Delhi and is a certified Chartered Engineer [C.Eng. (I)], enrolled & registered with the Institution of Engineers (India). He has about 36 years experience in R&D activities related to Mechanical measurements and Calibration of Scientific equipments/ R&D instruments, Total Quality Management (TQM), Human Resource Planning & Management, ISO-9000 and Managing customer satisfaction, Testing & Operation of various types of sophisticated equipment and R&D instruments. Shri Agarwal started his career with CSIR - National Institute of Oceanography (NIO), Dona Paula, Goa in April 1983 as Technical Assistant (Mech.Engg.).

Since his joining the CRRI (**Pavement Evaluation Division**) in Dec. 1987 (on transfer from NIO, Goa), the various activities/ projects undertaken by him relate to pavement performance and evaluation. The various projects undertaken by him relate to quantity & quality control of road works, Calibration studies of 5<sup>th</sup> Wheel Bump Integrator/ ARUR/ Car-mounted BI, riding quality assessment, axle-load surveys etc. He has also been associated with the Functional Evaluation of pavements (of National and State Highways, etc.) and study of surface characteristics of roads, beside the above referred specialized works/ projects, etc. He has the wide experience and necessary skills and has been with the Institute for the last 31 years and independent handling of the work and related equipments used in functional and structural evaluation of pavements has instilled self confidence. During this period, seven R&D papers were published in National & international Conferences/ Seminars, etc.

From Oct. 2005 to Sept. 2018, Sh. Agarwal worked in **Information, Liaison & Training Division** (Human Resource Planning and Management area) of CRRRI. Where he played key role towards Information processing, Liaison, data management and dissemination of information and Event Management and proof reading/ editing and compilation of CRRRI Newsletter, CRRRI Annual Report and General report on road research work done in India (for IRC). He carried the responsibility of Information processing, liaison and dissemination of information with regard to processing of R&D papers of scientists, nominations of S&T staff in various Seminar/ Conferences/ Symposia and Trainings, etc. for CRRRI's human resource development. He was responsible for management of certain key activities of the division such as HRD/ Training needs of CRRRI staff and complete management i.e. organization/ coordination of HRD Training-cum-Workshops (e.g. Soft Skill Development programmes) of CRRRI Staff, their data management and general guidance & support, database development and management, information processing etc. Also, he played a key role in organizing various refresher courses/ training programmes for imparting training to the in-service engineers of the user organizations related to roads and road transportation in the Govt., public & Private sectors. He also coordinated/ organized a number of Technical Exhibitions/ Events to depict its expertise, capabilities and R&D achievements at various forums to provide a good forum to interact with the Highway/ Transportation Engineers, Consultants and potential clients for Business development purposes. He looked after the miscellaneous work relating to IPR/Patents' matters and processing IPR/ Copyright/ Patents' related papers/ applications, etc.

During his tenure in ILT division, he looked after preparing/ compiling and editing CRRRI Profile, CRRRI - At A Glance, CRRRI Information Leaflet, CRRRI Annual Report, CRRRI Newsletters and Souvenirs, time to time, on the occasion of National Get-togethers (NGT), CRRRI Foundation Day function, Technical exhibitions and Conferences/ Seminars, etc.

Since the inception of ISO 9000: Quality Management System, Sh. Agarwal has been an active Task Force Member and Internal Quality Auditor till Sept. 2018 and took part in various Internal/ Surveillance Audits.

Since the inception of Right to Information Act-2005 (till Sept. 2018), Shri Agarwal has worked as "**Assistant Public Information Officer (APIO)**". He processed the applications received time to time under **RTI Act-2005**, collected and compiled the required information from various quarters for various queries, analyzed & re-compiled and dispatched them to the applicants/ seeker within specified time limit through PIO. He also looked after the preparation of "Quarterly Returns" for each quarter and "Annual returns" under RTI Act-2005 and submission to Central Information commission (CIC), New Delhi through CSIR HQrs.

At present, Shri Agarwal is working with **Transportation Planning and Environment Division** (since Sept. 2018) of the Institute. He is involved in field surveys for Eastern Peripheral Expressway project for Road Development Planning, Traffic & Transportation Engineering and Road Safety, Road Network evaluation, Socio-Economic Aspects, Database Development and Analysis. He is also working for Infrastructure development and upgradation of equipments and software for TPE division.

## 10. Any other Relevant Information/ Areas of Specialization:

- I. Functional Evaluation of pavements and study of surface characteristics of roads, beside the above referred specialized works/ projects, etc.
- II. Information processing, Liaisoning, Training programmes/ refresher courses for imparting training to the in-service engineers, data management and dissemination of information and Event Management and proof reading/ editing and compilation of CRRJ Newsletter, CRRJ Annual Report and General report on road research work done in India.
- III. Right to Information Act-2005
- IV. Field surveys for Road Development Planning, Traffic & Transportation Engineering and Road Safety, Road Network evaluation, Socio-Economic Aspects, Database Development and Analysis.

## 11. RESEARCH PUBLICATIONS:

### Conferences/ Seminar

- Paper entitled “**Assessment of Riding Quality using Automatic Road Unevenness Recorder – Case Studies**” by Dr. S.D. Sharma, **R.C. Agarwal**, Pradeep kumar and Dr. P.K. Nanda was published and presented in “**National Seminar on Challenges for Road Transportation in 21<sup>st</sup> Century Leading to Fuel Economy (CIRT, 2001)**” held at T.I.E.T., Patiala on 23-24<sup>th</sup> Feb., 2001.
- Paper entitled “**Impact of Highway Roughness Levels on Fuel Economy**” by Dr. S.D. Sharma, **R.C. Agarwal** and Dr. P.K. Nanda was published in **Annual National Technical Convention “IMPULSE-2002”** held at I.I.T. Roorkee on 23<sup>rd</sup> to 25<sup>th</sup> Feb., 2002 organized jointly by Petroleum Conservation Research Association (PCRA) and MIESS, IIT, Roorkee (UP).
- Paper entitled “**Low Cost devices for Quality Control of Surface Irregularities for Rural Roads**” by Dr. S.D. Sharma, **R.C. Agarwal**, Pradeep kumar and Dr. P.K. Nanda was published in “**National Seminar on Integrated Development of Rural and Arterial Road Network for Socio-Economic Growth**” held at New Delhi on 5-6 Dec., 2003.
- Paper entitled “**Texture and Skid Resistance Characteristics of Cement Concrete Pavements**” by Dr. S.D. Sharma, Dr. V.K. Sood, T. Muraleedharan and **R.C. Agarwal** was published in “**National Conference on Modern Cement Concrete Roads and Bituminous Roads**” held at Visakhapatnam on 18-20 Dec., 2003.
- Paper entitled “**Surface Characteristics of Cement Concrete Pavements – A Case Study of National Highway-02**” by Dr. S.D. Sharma, Dr. V.K. Sood, Sudesh Kumar and **R.C. Agarwal** was published in “**National Seminar on Design, Construction and Maintenance of Cement Concrete Pavements**” held at New Delhi on 8-10 Oct., 2004.

## **12. Deputation/ Assignments abroad during the period:**

Sh. Agarwal was deputed to participate in the **4<sup>th</sup> Enterprise India Show at Yangon, Myanmar** from 29/10/2015 to 1/11/2015, organized by the Confederation of Indian Industry (CII), by establishing a CRR I Pavilion/Stall in the Technical Exhibition during 4<sup>th</sup> Enterprise India Show at Yangon, Myanmar to depict CRR I achievements and other expertise in the area of Road and Road Infrastructure/ Road Transportation sector on a major scale during the above exhibition.

The deputation of Sh. Agarwal was towards demonstrating a strong regional commitment to the goals of decades of action of road safety in the East.

Participation in the Technical Expo during **4<sup>th</sup> Enterprise India Show at Yangon, Myanmar** was helpful in promotion and propagation of CRR I knowledgebase, expertise and products & services in Myanmar; and generated cash flow. The visit was planned as a part of Business Development.

**Date:** 15<sup>th</sup> April 2019

**(R.C. AGARWAL)**