

Dr. V.S.R.K. PRASAD

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1. **Residential& Address for communion:**Prasanthi Nagar, Plot no: 28,
Door no: 8-4-53, Pedawaltair,
Visakhapatnam-530017.
Andhra Pradesh(State), India.
2.
 - a) Date of Joining in Andhra University in teaching assignment : 8-03-1979
 - b) Date of joining as Principal of ANITS :22-11-2008
 - c) Date of joining as Advisor Academics of IPE: 01-05-2016
 - d) Date of joining as Director of IPE : 01-05-2017
 - e) Date of birth: 12-08-1952
 - f) Father's Name: Late Veerapaneni Satyanarayana

3. Details of qualifying service already rendered in the University

S.No	Designation	Qualifying Service		Total No of Years
		From	To	
1	Director, IPE- Visakhapatnam	01-05-2017	Till date	
2	Advisor Academics, IPE- Visakhapatnam	01-05-2016	30-04-2017	One year
3	Principal, ANITS	22-11-2008	13-02-2016	Nearly seven and half Years
4	Professor, Dept of Chem Engg., Andhra University, Visakhapatnam	08-03-2001	13-02-2016	15 years
5	Reader, Andhra Univ	08-03-1993	07-03-2001	8 Years
6	Lecturer, Andhra Univ	08-03-1979	08-03-1993	14 Years
Total Service till date				38 years

Examination Passed	Name of the University	Year of Passing	Class Secured	Subject of Examination and Specialization
B.Tech	Andhra University	1974	First	Chem. Engg
M.Tech	Andhra University	1977	First	Chem. Engg (Electrochemical Engg. as Specialization)
Ph.D.	Andhra University	1995		Chem. Engg
PGDES	Andhra University	1997	First	Environmental Studies

4. Qualifications:

Area of Specialization: Environmental pollution control engineering, Mass transfer and Corrosion engineering.

5. Teaching and Research Activities

- a) Teaching : **Appendix-I**
- b) Research work done & Research Projects: **Appendix –II**
Guided **12 Ph.Ds** and guiding one more
- c) Publications : **Appendix – III**
34 International Journals + **26** National Journals + **23** Conference
- d) Details of Seminars, Conferences : **Appendix – IV**

6. Administrative Experience

- a) From 1st may 2017, the first Director of IIPE-Visakhapatnam(appointed for five years), which is declared by Govt of India as an Institute of National Importance at par with IITs, by the Parliament Act.,
- b) Advisor Academics, since 1st May 2016, of IIPE(Indian Institute of Petroleum & Energy)-Visakhapatnam, an Institute granted by Govt of India, in Andhra Pradesh under bifurcation act of Andhra Pradesh.
 - Instrumental in establishing the Institute and started the classes from 1st August,2016 in a very record breaking time of three months and could manage the classes without even a single class unengaged, even with out a single faculty member on its own board for quite a long time
 - The classes are prepared to meet the world class standards with the help of HPCL and the expert professors from IIT Kharagpur had engaged the classes
 - Could get the offer for signing MOUs from three Institutes of highest repute from abroad, namely University of Texas A&M (USA), Robert Gardon University (UK) and Oxford Institute(UK)
- c) **Principal** of Anil Neerukonda Institute of Technology and Sciences (**ANITS**), from 2008 November to Feb 2016.
 - Got A Grade by NAAC & all the Departments eligible are accredited(2009) & reaccredited(2013) by NBA and also got Autonomous status(2015), for six years.
 - Improved ANITS to **7thMost preferred college** among all the **700+ private Engineering Colleges(In the combined state)** from 13th position and now it stands at 3rd place among all the 300+ private Engineering colleges of Andhra Pradesh State(as per the data of APSCHE 2014 & 2015).
 - Procured **permanent affiliation** for ANITS to Andhra University in the year 2010.
 - The experts from IITs and other prestigious National Institutes, who happened to be evaluators for **TEQIP** had rated ANITS with 61 points and it stood at **third position** in Andhra Pradesh State among the 100+ colleges applied for TEQIP funds under 1.1 category.
 - It stood **top** among all the affiliated colleges of Andhra University, in its results of almost all the subjects and all the courses.

- During my steward-ship, ANITS got **AAA** ranking along with 12 more Institutes, which included **IIT, Hyderabad & Andhra University Engineering College(Auton)**.
 - **Rand Corporation**, a **US based corporation** in the name of **EDU RAND** in its survey the results of which were released in December,2015, had ranked ANITS @ 143 at National level among all the Engineering colleges including IITs NITs and among the Private Engg Colleges in **Andhra Pradesh** it stood**FIRST**.
 - ANITS won **E-Plus Challengers” Trophy-2011** competing with about 60 colleges, organized by **THE HINDU news paper**and Raghu Engineering College.
- d) Nominated by Govt of India as **Chairman** of AP State Environmental Appraisal Committee (**SEAC**) in October,2014, for three years. Implemented various reforms for transparency and participated in conferences organized by MOEF, NABET and expressed the need for online applications for Environmental Clearances, which could be implemented by SEIAA and SEAC of Andhra Pradesh.
- e) Member of **Academic Senate, Andhra University** 2005-2008 and again from January,2014 to Feb 2016 and could effectively participate in updating the curricula and framing the cafeteria approach at higher studies.
- f) Member of **EAMCET-2014** Admissions Advisory committee, nominated by AP State Council for Higher Education.
- g) Member of PGCET-2016 and PGCET-2015 Admissions Advisory Committee, nominated by AP State Council for Higher Education & Member of PGCET-2012 admissions committee formed by AP State Council for Higher Education, AP State Govt.
- h) Member of APSCHE-Bio-Metric Committee, formed in 2015.
- i) Member of First ever **Governing Council** formed for Andhra University Engineering College (Proposed for Autonomy) from April 2004 to the time of leaving Andhra University on taking voluntary retirement in November 2008.
- Actively contributed to policy making and system establishment. Helped shape the policies of TEQIP, which helped Andhra University emerge as one of the top institutes in TEQIP at the national level.

- j) Member of the first ever **Academic Administrative Audit Committee** formed in 2001 by Andhra University at the behest of U.G.C. and helped Andhra University get ready for NAAC accreditation and AU Engg College for NBA accreditation.
- k) **Chief Warden**, Andhra University Engineering Hostels 2003-2005.
- Could **reduce the mess bills by 25%** compared to the previous two years, while improving the quality.
 - Handed over the **purchase of all the provisions to Govt. Organizations(Super Bazaar)** and avoided the monopoly of private vendors.
 - Convinced the students and with their co-operation could implement the **locking of the hostels from 11pm to 6am** for the **first time in the forty years of Engg Hostels**.
 - Could accumulate the fixed deposits to **40lakhs from 15 lakhs** handed over by the predecessor, after modernizing the kitchen with **Dish washers and vegetable cutter** without any funding either from Govt. or from University.
 - Provided **computer systems** to all the hostels for the in-mates to use it during night times at the hostels for the **first time** in the history of Hostels of Andhra University
 - For the first time **computerization** of the Hostels administration could be implemented.
- l) **Governing Body member** of GITAM, College of Engineering from 2001 to 2008, being nominated by Andhra University as its representative and helped the organization get **autonomy and later University** status during my tenure.
- m) Member of Committee nominated by Principal College of Engineering for **U.G.C - X Plan** proposals in Andhra University, College of Engineering in December – 2002.
- n) **Governing Body** member of all the colleges run by **GVP**, which include Engineering College, Post Graduate & Degree College and Junior College. The Engg. College run by this Trust is the second most preferred college among 700+ private Engg. Colleges.

- **Its degree and postgraduate college** also has achieved autonomy and is a leading organization in and around the locality
- o) **Member for Center for Policy Studies**, which runs public awareness programmes in the area of social sciences.
- p) **Convener of Examination Committee** of A.U. Department of Chemical Engineering for several years.
- q) Member of **Central Maintenance Committee**, Andhra University 2003-2005.
- r) Advisor to ANITS College of Engineering (2001-2008) & Gudlavalleru College of Engineering during 1997-2000, which are the most preferred colleges in the region.
- s) Conducted EAMCET exams as Associate Chief Superintendent; **Observer** on several occasions.
- t) **Chairman** of Board of paper setters, Chemical Engineering, Acharya Nagarjuna University from 2005 to 2008 and Sri Venkateswara University from 2001 to 2004.
- u) Conducted M.E/M.Tech & I/IV B.E. (Part time) II/V B.Arch exams comprising more than 30 sections in a single session in April/May 2003 as **chief Superintendent**.
- v) **District Chairman** for Environmental Awareness in Lions District 324 C1 for the years 2001 – 2003, and **District Chairman** for Environment & Pollution for the years 2005-16 in Lions District 316-A and formerly **President**, Lions Club of Waltair during the year 1999-2000.
- w) **District Cabinet secretary**, Lions district 324 C-1 for the year 2001-2002

7. Special Work in the area of Pollution Control:

- a) Nominated by Govt of India as **Chairman** of AP State Environmental Appraisal Committee (**SEAC**) in October,2014, for three years. Implemented various reforms for transparency and participated in conferences organized by MOEF, NABET and expressed the need for online applications for Environmental Clearances, which could be implemented by SEIAA and SEAC of Andhra Pradesh.
- b) Nominated as member of External Advisory Committee(**Task Force**), by **APPCB**, for one year from February 2014. However resigned on 21st Oct, 2014, on being nominated as Chairman SEAC.
- c) Member of **Paryavarana Parirakshna Samithi**.
- d) Received “The Corps Engineer award from Journal of Institute of Engineers for the paper entitled
” **A study on treatment of Metallic effluents using activated charcoal** “
- e) Member of Consent for Establishment (**CFE**)Committee for Andhra Pradesh Pollution control Board, Visakhapatnam Zone – 2006 to 2008.
 - Encouraged growth of industry and had been involved in suggesting the measures to be taken in providing environmental friendly technologies
- f) Member of Consent for Operations (**CFO**)Committee for Andhra Pradesh Pollution control Board, Visakhapatnam Zone – 2000 – 2002.
 - Provided suggestions to many industry and helped them to turn as eco-friendly industry.
- g) Acted as **peer committee** member for NSTL projects and provided tips for developing more efficient batteries- a major requirement for torpedoes.
- h) **Initiated and established** a new laboratory- “Environmental Pollution Control Engineering Lab” for studies on pollution and its control.
 - **This laboratory served several students in their projects needs and several publications were produced with the data generated from this lab under my guidance, as wells as the guidance of many other faculty.**
- i) Initiated **subject courses** in Environmental Pollution Control Engineering, at **B.Tech** and **M.Tech** level in Chemical Engineering and this was the basis for initiating M.Tech course in Industrial Pollution Control Engg at a later stage.

- j) Was instrumental in starting a course in post-graduate program, **M.Tech (Industrial Pollution Control Engineering)** , now running successfully in the Dept of Chemical Engineering, Andhra University
- k) **Initiated consultancy and analytical works** in Environmental Pollution Control Lab in the Department of Chemical Engineering, Andhra University.
- l) Provided consultancy to several industries like **Visakha Dairy, GTS Chemicals, Sago Industries at Vetlapalem, (East Godavari) etc** on pollution related problems.
- m) Carried out **project work for APPCB**, Visakhapatnam zonal office, on monitoring the Air samples under AAQM, SAAQM and NAAQM for more than five years.
- n) Carried out project work for estimation of pollutants generated **by the industries in East and West Godavari Districts on the request of APPCB**, involving the **students of Chemical Engg from Andhra University and Bio-Technology from ANITS**, in the year 2010.
- o) **Conducted seminars** on Pollution Control Techniques adopted industrially, on December 31,2005; a seminar on Environmental awareness on 20th Feb 2008 and another seminar on Climate Combat at ANITS on 23rd March,2010.
- p) Provided a platform for the interaction of industrial and academic communities **by organizing a workshop** on “Environmental Pollution Control techniques for small & medium scale entrepreneurs” and received excellent feedback from the participants.
- q) Developed interest and concern over environmental problems and **secured Post Graduate Diploma in Environmental Studies while serving as Reader.**
- r) **District Chairman** for Environmental Awareness in Lions District 324 C1 for the years 2001 – 2003, 2006-2015 and District Chairman for Environment & Pollution in Lions District 316-A during 2005-16.

8. Academic Expertise and Achievements:

- a) Nominated by District Collector of Visakhapatnam in March,2016 as the member of the sub-committee for double digit growth of Viskhapatnam District with control of Pollution.
- b) Member of Academic Senate of Andhra University from Jan,2014 till Feb 2016.
- c) Member of External Advisory Committee (**Task Force**), **APPCB** for one year from Feb 2014, but resigned in October 2014, on being nominated as Chairman of SEAC.
- d) Member of Consent for Establishment (**CFE**) Committee for Andhra Pradesh Pollution control Board, Visakhapatnam Zone – 2006 to 2008.
 - Encouraged growth of industry and had been involved in suggesting the measures to be taken in providing environmental friendly technologies
- e) Member of Consent for Operations (**CFO**) Committee for Andhra Pradesh Pollution control Board, Visakhapatnam Zone – 2000 – 2002.
 - Provided suggestions to many industry and helped them to turn as eco-friendly industry.
- f) Acted as **peer committee** member for NSTL projects and provided tips for the development of more efficient batteries- a main requirement for torpedoes.
- g) Expert in assessment of project proposals for UGC-SERO, during 2009-12.
- h) Peer committee member for accreditation of Caledonian College of Engineering, Oman, affiliated to **University of Glasgow, UK**.
- i) **Initiated and established** a new laboratory-“Environmental Pollution Control Engineering Lab” for studies on pollution and its control.
 - **This laboratory served several students in their projects needs and several publications were produced with the data generated from this lab under my guidance, as wells as the guidance of many other faculty.**
- j) Initiated subject courses in Environmental Pollution Control Engineering, at B.Tech and M.Tech levels in Chemical Engineering and this was the basis for initiating an M.Tech course in Industrial Pollution Control Engg at a later stage.

- k) Was instrumental in starting a course in post-graduate program, **M.Tech(Industrial Pollution Control Engineering)** , now running successfully in the Dept of Chemical Engineering, Andhra University
- l) **Initiated consultancy and analytical works** in Environmental Pollution Control Lab in the Department Chemical Engineering, Andhra University.
- m) Provided consultancy to several industries like **Visakha Dairy, GTS Chemicals, Sago Industries at Vetlapalem, (East Godavari) etc** on pollution related problems.
- n) Carried out **project work for APPCB**, Visakhapatnam zonal office, for monitoring the Air samples under AAQM, SAAQM and NAAQM for more than five years.
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- q) Provided a platform for the interaction of industrial and academic communities **by organizing a workshop** on “Environmental Pollution Control techniques for small & medium scale entrepreneurs” and received excellent feedback from the participants.
- r) Developed interest and concern over environmental problems and **secured Post Graduate Diploma in Environmental Studies while serving as Reader.**
- s) Member of **expert committee** for affiliation to University of GITAM Engineering College and ANITS College of Engineering on new courses.
- t) Conducted career **guidance counseling** to students for several years in the Department of Chemical Engineering.
- u) Member of Board of Studies of Chemical Engineering, **Acharya Nagarjuna University, 2007-2008.**

9. Visits Abroad:

- a) Had training in **Nano-Technology** in **University of Louisville**, Kentucky, **U.S.A.** in 2007.
- b) **Delivered Lectures** at **Central State University**, Dayton on the pollution control Techniques adopted industrially.
- c) **Bowling Green State University**, Ohio: talk on Pollution in the field of energy and control techniques.
- d) **Visited Muscat Oman** as **member of Expert Committee** for accreditation of the courses in Caledonian College of Engineering, Glasgow University, UK in 2009. Only two Indians are there in the committee of six, remaining being from UK and other countries.

10. Awards:

- A) Received “The Corps Engineer award from Journal of Institute of Engineers for the paper entitled” **A study on treatment of Metallic effluents using activated charcoal** “
- B) Nominated as **Peer reviewer** Committee member for Caledonian Journal of Engineering”, affiliated to University of Galsgow, UK, in the year 2009.

11. Membership in Professional bodies:

- a) Fellow of Institute of Engineers (**FIE**)
- b) Life Member of People’s Environment Protection Society.
- c) Life Member of **A.P. Academy of Sciences**
- d) Member of ParyavaranaParirakshnaSamithi.
- e) Life Member in Indian Institute of Chemical Engineers (**IIChE**)
- f) Life Member in **ISTE**
- g) Fellow of Institution of Valuers.
- h) Life Member of **COMSOI**(Condition Monitoring Society of India)
- i) Founder Member in **GVP Educational Society** which established various academic institutes in the city of Visakhapatnam.
- j) Member, Lions District 324 C-1

Appendix-I

Teaching & Academic Expertise

- 1) Worked for 30 years in Andhra university in various capacities and taught different subjects including Mass Transfer-I, Mass Transfer-II, Mass Transfer-III, Chemical Process Principles & Calculations, Fluid Mechanics, Environmental Engg, Industrial Pollution Control Engg, & Safety, Heat Transfer, Mechanical Operations at undergraduate level and Corrosion Engg.-I, Corrosion Engg.-II, Corrosion Engg.-III, Electrochemical Engg.-I, Electrochemical Engg.-II, Electrochemical Engg.-III, Pollution Control etc., at Post-graduate level.
- 2) Developed a new laboratory by name Environmental Pollution Control Engg., and developed consultancy for the local industry use.
- 3) In 1981 it-self, even when the feedback from the students wasn't the usual practice, feedback had been taken and it made some other teachers also to follow it. The feed-back from students helped to mould as a better teacher.
- 4) Used to make the students work for assignments by giving them their individual assignments such that they could try on their own and develop interest in the concepts.
- 5) Organized student counseling in late 1980s it-self and continuing till date, for the benefit of the students.
- 6) In the laboratories created awareness among the students the real purpose of writing the record and motivated them to stop copying from records of seniors and instead trained them to technically report
- 7) Organized seminar/ group discussions on various topics for improving their soft-skills to the students allotted for counseling
- 8) Certain students who joined the college or branch due to other forced circumstances and had no interest in the subject were motivated to get interest in the subject ultimately to reach their goal in another route of interdisciplinary approach.
- 9) Imparted the subject expertise to the society in various forms examples of some are quoted below.
- 10) Guided about 100 undergraduate projects, and 80% of them were practical industrial sector oriented.

- 11) **Expert member on Selection committee** for selection of Environmental Engineers for A.P. Pollution Control Board in the year 2001.
- 12) **Expert member on the committee for Public hearing** on expansion of Cargo Berths in Visakhapatnam Port. In the year 2006.
- 13) **Expert member** on Public hearing on establishment of Pharmacy at Lemarthy village in the year 2004.
- 14) **Expert member** on the committee for Public hearing on establishment of Divi Labs at Chintyada in the year 2002.
- 15) **Expert member** on the Legal hearing on the closure of industries like Crushers, Sago etc.
- 16) Member on the committee that visited the **Eluru drinking water supply canal**.
- 17) **One member committee** for inspection of Hostel facilities at Vizianagaram in the year 2006, at Malikipuram in the year 2005 and Narasapuram in the year 2004.
- 18) Member on several committees formed for **inspection for granting affiliation** of various courses at number of colleges.
- 19) **Addressed** various sections of the society on several topics like 'Pesticides in Water and soft drinks', 'Smoking-health hazards', 'Automobile pollution-care to be taken', 'Noise pollution', etc..
- 20) Expert Examiner for Several Ph.Ds.
- 21) Nominated by Central University of Orissa, Koraput as a Member of Screening Committee for appointment of faculty, in September, 2012.

APPENDIX – II

Research work done since taking the first research degree:

- 1) Guided **twelve PhDs**. Guiding **two more Research Scholars** for their doctoral degree in Chemical Engineering. The work of the Scholars is under good progress.

Ph.Ds guided:

i) "Studies on Ionic Mass Transfer in submerged rotating discs in closed cylindrical cells." by Dr.P.King, (2000)

ii) "Studies on Ionic Mass Transfer in submerged multi-jets in closed cylindrical cells", by Dr.S.Feroz,(2004)

iii) "Studies on Removal of toxic metallic components by bio-sorption using ulvafacete and tectona-grandislf" by Dr.Y.PrasannaKumar(2006)

iv) "Studies on Ionic Mass Transfer through submerged multi-jets in closed cylindrical cells with and without presence of solids", by Dr.B.Demudu(2007)

v) "Studies on Effect of polymer additives on the mechanics of draining of large tank under gravity", by Dr.Ch.V.Subba Rao.(2008)(**impact factor 0.761**)

vi) " Experimental and Theoretical Studies on Variation of Pressure and Temperature of an Expanding Gas due to Blast of High-Explosives in Air and Under Water" ., by Dr.A.Srinivas Kumar(2008)

vii) "Studies on Ionic Mass transfer with submerged impinging single jet in closed cylindrical cells in the presence of solids", by Mr. B.V.Lakshmana Rao(2010)

viii) "Bio-sorption of Copper and Zinc Using ChaetomorphaAntennia&AzadirchtaIndica bark", by Mrs. BinaLahari(2010)

ix) "Bio-sorption of Lead, Nickel and cadmium on to TectonaGrandisL.f: Optimization using Response Surface Methodology(RSM)(2011)

x) "Studies on Synthesis characterization and structural Properties of ZnO polymer nanocomposites", by Mr.B.Naga Raju(2011).

xi) "Studies on the Evaluation of acute toxicity factor for selected industrial effluents using zebra fish(danio rerio) as test organism", by Ms.Seshamma(2012)

xii) "Studies on effect of polymer additives on the mechanics of draining of conical tanks under gravity", by Mr.P.Srinivasarao.(2014)

2) Guided **28M.Tech** Students for their dissertation works.

3) Various Schemes that had been handled:

A)AICTE scheme on "Development of non-porous metallic coatings on marine structure by Electrodeposition / Electrocrystallisation", worth Rs. 7 lakhs was granted under the applicant's chief coordinatorship.

B)UGC scheme on "Optimisation of operation Oil / Gas transition network systems", worth Rs. 3.15 lakhs was granted under the applicant's principal coordinatorship.

C)UGC Scheme on "Performance of anaerobic fluidized bed reactor's worth Rs.6.85 lakhs was granted with the applicant as Co-Principal Investigator, Duration upto 2000 December.

D)UGC scheme at GITAM College of Engineering on "Biological Methods for the improved treatment of tannery waste effluents" worth Rs. 4.08 lakhs granted with the applicant as Co-Principal investigator.

(Principal Investigator: Dr. M. SaratchandraBabu)

E)UGC Scheme at GITAM College of Engineering on Numerical Modelling of Dispersion of Air Pollutants with Density Differences" worth Rs.5.22 lakhs granted with the applicant as Co – Principal Investigator. (Principal Investigator: Mr. T. Srinivas)Is of Books, Research and other publications:

Books

- 1) "Environmental Pollution Control Engineering" book by Prof. C.S.Rao is under revision in which the applicant is invited by the author to associate in the revision of first edition published by Wiley Eastern Ltd.
- 2) A Laboratory manual named "Comprehensive analytical methods (organic and inorganic)" is under preparation and after completion of write up the authors wish to get the book published. This book contains both organic and inorganic chemical analytical methods which will be of great help to engineers for monitoring the chemical processes in the labs and is expected to be useful in R&D.

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. **Biodegradation of Ammoniacal Nitrogen to Nitrite in an Industrial Effluent using *Nitrosomonas species*: First stage in Nitrification.**, V.S.R.K.Prasad*1, V. G. S. G. Siva Prasad1, V. Srievi1, K. G. Sudarsan2., JCBPS; Section D; August 2015 – October 2015, Vol. 5, No. 4; 4733-4740
2. **"Study of Influence of Process Parameters on Surface Roughness of AMMCs in wire electrical discharge machine."**, B.Naga Raju, K.Ramji, P.SrinivasaRao, V.S.R.K.Prasad., ARPJ Journal of Engineering and Applied Sciences, Vol. 10, No.4, March 2015.
3. **"Biosorption Of Copper By ChaetomorphaAntennina Algae Biomass – Thermodynamic Studies"**, S.BeenaLahari*,P.King, V.S.R.K.Prasad.,Volume 8(4), 2013, Trade Science Inc. , Chemical technology.
4. **"Equilibrium, Kinetic and Thermodynamic studies on Lead removal from aqueous solution byTectona Grandis L.F"**..D.A.Naidu, P.King, Narayana Saibaba,K.Vand V.S.R.K.Prasad.,International journal of Research in Engineering & Technology, 1(2)35-48(2013).
5. **"Influence of Viscosity on Drag in resence of Polymer Solutions in Gravity Driven Flow System"**, P. Srinvasa Rao, Ch. V. Subbarao, G. M. J. Raju andV. S. R. K. Prasad., International journal of fluid mechanics Research, 40(2013),6,520-529.
6. **"Equilibrium, Kinetic and Thermodynamic studies on Lead removal from aqueous solution by TectonaGrandis L.F"**. D.A.Naidu, P.King, Narayana

- Saibaba,K.V and V.S.R.K.Prasad., International journal of Research in Engineering & Technology, 1(2)35-48(2013).
7. **“Slow draining of large spherical tank under gravity”**, Ch.V.Subbarao, P.Srinvasa Rao, G.M.J.Raju and V.S.R.K.Prasad,Elixir Chem. Engg., 50 (2012) 10346-10348.
 8. **“Review on efflux time”**, Ch.V.Subbarao, P.Srinvasa Rao, G.M.J.Raju and V.S.R.K.Prasad, International journal of chemical sciences, 10(2012), 3, 1255-1270.
 9. **“Studies on Tribological properties of ZnO filled polymer nano-composites”**B.Nagaraju, K.Ramji and V.S.R.K.PrasadARPN Journal of Engineering and Applied Sciences, Vol.6, No.6, June 2011
 10. **“Izod impact analysis of glass fiber reinforced ZnO polyester nano-composites”** B.Nagaraju, K.Ramji and V.S.R.K.Prasad
International Journal of Nano materials and Technology, Vol.2, No.2, pp.23-27, Dec 2011, ISSN:0976-6138.
 11. **“Biosorption of Copper from aqueous solution by Chaetomorpha Antennina algae biomass”**. S.Beena Lahari, P.King and V.S.R.K.Prasad.
Iran.J.Environ.Health.Sci.Eng.8(4)357-364(2011) - (impact factor 0.25)
 12. **“Effect of polymer solutions on the dynamics of a fluid for once through systems”**, Ch.V.Subbarao, P.King and V.S.R.K.Prasad,
International journal of fluid mechanics research, 38(2011),1,26-37.
 13. **“Review on applications and isolation of Cashew nut shell liquid”**, Subbarao, Ch.V, Krishna Prasad, KMM and Prasad, V.S.R.K, The pharma Research journal, 6(2011),1,21-41 - (impact factor 0.89)
 14. **“Biosorption studies of Zinc onto ChaetomorphaAntennina sp”**. S.BeenaLahari, P.King and V.S.R.K.Prasad
International journal of Chemical Engineering Research, 2(1)(2010) 41-56 - (impact factor 0.25)
 15. **“Drag reduction by polymer additions in once through systems”**. Ch.V.Subba Rao, G.Mallikarjuna Rao, P.king, C.BhaskaraSarma and V.S.R.K.Prasad.
International journal of Fluid mechanics research, 37(5) (2010)391-405 - (impact factor 1.213).
 16. **“Drag reduction by polymer additives in gravity driven flow”**. Ch.V.Subbarao, P.King, C.BhaskaraSarma and V.S.R.K.Prasad.
International Journal of Applied Engineering Research, Dindigul, 1(3)(2010)452-468.
 17. **“Synthesis and Characterization of high pure ZnOnano particles by conventional methods”** B. Nagaraju, V.S.R.K. Prasad and K. Ramji

International Journal of Nanotechnology and Applications, Vol4, No.3, pp.199-205, 2010 - (impact factor 1.76).

18. **“Mass Transfer Studies with Submerged Impinging Jets in Closed Cylindrical Electrolytic Cell in the Presence of Solids”**, Feroz,S and Prasad.V.S.R.K.,The Journal Of Engineering Research. (30-36) Vol 5, No.1, January 2008.
19. **“Effect of Polymer additives and the mechanics of flow draining of large tanks under gravity”**. SubbaRao.Ch.V., King.P. andPrasad.V.S.R.K. ARPN Journal of Engg and Applied Sciences., (68-83),Vol 1. Feb 2008.
20. **“Biosorption of zinc from aqueous solution using AzadirachtaIndica bark: Equilibrium and Kinetic studies”**. P.King, K.Anuradha, S.BeenaLahari, Y.Prasanna Kumar, and V.S.R.K.Prasad. J of Hazardous Materials , 152(2008) 324-329.
21. **“Biosorption of Zinc onto Syzygiumcumini L: Equilibrium and kinetic studies”**. P.King, N.Rakesh, S. BeenaLahari, Y.Prasanna Kumar and V.S.R.K.Prasad. Chemical Engineering Journal, 144(2008)181-187.
22. **“Average mass transfer coefficients in electrolytic cells.”**, Feroz, S., Prasad, VSRK. 2008. *J. Inst. Eng. India.* **88**:11-17,2008.,[ISSN: 2250-2483, Google Scholar, ProQuest]
23. **“Effect of polymer additives on the dynamics of a fluid for once through system”**. Ch.V.Subba Rao, P.king and V.S.R.K.Prasad.International journal of Fluid mechanics research,35(4)(2008)374-393 - (impact factor 0.5)
24. **“Adsorption of Zinc from aqueous solution using marine green algae- Ulvafaciata sp”**. Y.Prasanna Kumar, P.King and V.S.R.K.Prasad.J of Chemical Engineering, 129 (2007) 161-166.
25. **“Variation of mass transfer coefficients in the radial direction for submerged impinging multi-jet flow of fluid electrolyte.”** Feroz, S. Prasad, VSRK. *Turkish J. Eng. Env. Sci.* **31**:235-242., 2007, [ISSN: 13000160, H Index 19, Impact factor 0.17, Scopus]
26. **“Sorption of copper(II) ion from aqueous solution by Tectonagrandsl.f. (teak leaves powder)**P. King, P. Sreenivas, Y. Prasanna Kumar, V.S.R.K. Prasad.Journal of Hazardous Materials, 136(3) (2006) 560-566.
27. **“Removal of Copper from aqueous solution using Ulvafasciata sp. – a marine green algae”**, Y.Prasanna Kumar, P. King, V.S.R.K. Prasad Journal of Hazardous Materials, 137(1) (2006) 367-373 - (impact factor 4.679)
28. **“Equilibrium and kinetic studies for the biosorption system of Copper(II) ion from aqueous solution using Tectonagrandsl.f. leaves powder”**. Y.Prasanna

- Kumar, P. King, V.S.R.K. Prasad, Journal of Hazardous Materials B137 (2006) 1211-1217 - (impact factor 0.69).
29. **“Comparative studies on removal of zinc using activated charcoal and coconut shell coke”**. Feroz, S. Prasad, VSRK. *Caled. j. eng.* 2:17-21,2006. [ISSN: 1999-9496]
 30. **“Comparison for adsorption modelling of Copper and Zinc from aqueous solution by Ulvafasciata”** sp. Prasanna Kumar Y, King P, Prasad V.S.R.K., Journal of Hazardous Materials 137(2) (2006) 1246-1251 - (impact factor 0.5)
 31. **“Zinc biosorption on Tectonagrandis L.f. leaves biomass: Equilibrium and kinetic studies”**. Prasanna Kumar Y, King P, Prasad V.S.R.K., Chemical Engineering Journal 124 (2006) 63-70 - (impact factor 0.5)
 32. **“Removal of lead from aqueous solution using Syzygiumcumini L: Equilibrium and Kinetic studies”**. P.King, N.Rakesh, S.BeenaLahari, Y.PrasannaKumarandV.S.R.K.Prasad. J of Hazardous Materials, 142 (2006) 340-347.
 33. **“Mass Transfer Co-efficients at stagnation point with submerged impinging multi-jet flow of fluid electrolyte”**. Feroz.S, and Prasad.V.S.R.K. Turkish Journal of Engineering & Environmental Sciences.,30(2006),1-9.
 34. **“Momentum Transfer Studies with submerged Impinging multi-jet flow of fluid electrolyte in closed cylindrical cells”**. Feroz.S., and Prasad.V.S.R.K.Caledonian Journal of Engineering, Vol01, Issue04, July-Dec. 2005 - (impact factor 0.25)

PAPERS PUBLISHED IN NATIONAL JOURNALS

1. **“Biosorption of copper by Chaetomorpha Antennina algae biomass – Thermodynamic studies”**. S.BeenaLahari, P.King and V.S.R.K.Prasad Journal of Chemical Engineering,8(4),2013.
2. **“Adsorptive removal of Cd(II) ion from aqueous solution using plant biomass”**. P.Kalpna, M.Sujatha, D.A.Naidu, P.King and V.S.R.K.Prasad. Chemical Technology: An Indian Journal, 6(1)36-40(2011) - (impact factor 0.331).

3. **“Comparative study on the Adsorption kinetics of Cd(II) and Cu(II) metal ions onto Eggshell Powder”**. P.Kalpana, K.ChinaMalakondaiah, D.A.Naidu, P.King and V.S.R.K.prasad., The IUP Journal of Chemical Engineering, III(1)47-60(2011).
4. **“Kinetic modeling of Biosorption of Cadmium by Syzygiumcumini(L.) from aqueous solution”**. M.Sujatha, P.Kalpana, D.A.Naidu, P.King and V.S.R.K.Prasad., The IUP Journal of Chemical Engineering, III(2)25-31(2011) - (impact factor 0.45)
5. **“Low cost biosorbent for the removal of Cu(II) from aqueous solution”**. K.ChinaMalakondaiah, P.Kalpana, D.A.Naidu, P.King and V.S.R.K.Prasad, Environmental Science:An Indian Journal. (5)5-10(2010).
6. **“Biosorption of Congo Red from aqueous solution using Guava (Psidiumguajava) leaf powder: Equilibrium and kinetic studies”**. D.Appala Naidu, P.Vijay, P.King and V.S.R.K.prasadThe IUP Journal of Chemical Engineering, VolIII(1) 27-45,2010.
7. **“Kinetic studies on nitrate leaching of metal values from Ferro manganese slag”**. Y.Prasannakumar, P.King and V.S.R.K.PrasadIndian journal of environmental protection, 27(3) 241-244, 2007.
8. **“Removal of Cadmium from aqueous solutions using non-conventional adsorbents”**. Y.P. Kumar, P. King, V.S.R.K. Prasad Jr of Industrial Pollution Control. 22(1) 25-32 (2006) - (impact factor 0.7)
9. **“Studies on adsorption of zinc metallic ion by natural adsorbent-Bentonite.”**, Y.P.Kumar, P.King and V.S.R.K.Prasad., Indian journal of Environmental Protection, 26(1)1-6(2006).
10. **“A study on treatment of Metallic effluents using activated charcoal”**. S. Feroz, P. King, V.S.R.K. Prasad IE(I) Journal-CH, 86, (2006) 12-15 - (impact factor 0.025)
11. **“Air pollution and Human body”** V.R. Prasad, Y.P. Kumar, P. King, V.S.R.K. Prasad. Indian. J. Environ. &Ecoplan. 12(2)495-498 (2006) - (impact factor 0.5)
12. **“Problems related to processing of manganese ore fines.”**, V.R.Prasad, Y.P.Kumar, P.King and V.S.R.K.Prasad., Advanced Ecology, 250-255(2006).
13. **“Studies on ionic mass transfer at decreasing coefficient region on a rotating disc with submerged impinging jet in a closed cell”**. P. King, V.S.R.K. Prasad, G. Hanumantha Rao. Indian Chemical Engineer. 48(3) 147-153(2006) - (impact factor 3.5)
14. **“Upgradation of minerals through bioleaching.”**, V.Rajendra Prasad, Y.P.Kumar, P.King and V.S.R.K.Prasad., Advanced Ecology, 257-261(2006).

15. **“Mass Transfer Studies on Plate Extraction Tower Individual and Mixed Solutes”** JM Rao, S. Feroz and Prasad V.S.R.K. The Institution of Engineers (India), Vol85, 59-63, 2005 - (impact factor 2.69)
16. **“Studies on Ionic mass transfer on to a target surface with submerged impinging jet in a closed cell”**. P. King, V.S.R.K. Prasad, G. Hanumantha Rao IJCT, 12,455-461(2005).
17. **“Studies on treatment of Phenolic effluents using non-conventional adsorbents”**. P. King, Y. Prasanna Kumar, V.S.R.K. Prasad IJEP 25(1) 22-27(2005).(impact factor 2.25)
18. **“Studies on Adsorption isotherms for removal of Fluorides using conventional and non-conventional adsorbents”**. P. King, Y. Prasanna Kumar, V.S.R.K. Prasad Jr of Industrial Pollution Control, 21(1) 155-162(2005).
19. **“Treatment of Metallic effluents using Coconut shell coke”**. S. Feroz, P. King, V.S.R.K. Prasad J.of Environmental science and Engineering, 47(2), 109-114 (2005) - (impact factor 0.94)
20. **“Studies on Axial mixing in open and packed columns”** Pramod Rao Z, Feroz S, Ravi Kumar P.V. and Prasad V.S.R.K. J. of Scientific and Industrial Research., Vol63, 672-676, 2004 August - (impact factor 0.5)
21. **“Studies on Ionic mass transfer at central electrode in the Impingement region on a rotating disc with submerged impinging jet in a closed cell”**. P. King, V.S.R.K. Prasad, G. HanumanthaRao Indian Chemical Engineer, Section A, 46(4), 244-250 (2004) - (impact factor 0.580)
22. **“A Study of Removal of fluorides using Activated Carbon”** T.Srinivas and V.S.R.K.Prasad Nature, Environment and Pollution Technology Vol (1) No.4: 2002(impact factor 1.621)
23. **“Studies on treatment of Metallic Effluents by Non Conventional Adsorbents”** T.Srinivas and V.S.R.K.Prasad Indian J. Environmental Protection Vol 22 No.11: 2002
24. **“Studies on Kinetics of Catalytic Esterification of 2-Ethyl Hexanol with Buteric Acid”**. Lakshminarayana, K.V.S, Murthy, Ch.V.R. and Prasad, V.S.R.K. Indian chemical Engg Congress, REC 65-68, Dec 2000
25. **“Removal of Fluorides by Coconut Shells”** Srivalli, I. Vimalavathi, K. and Prasad, V.S.R.K. Visakha Journal of Sciences, Vol. 3 No2 1999.(impact factor 0.820)
26. **“Studies on longitudinal mixing in pulsed-perforated-plate columns”**. Prasad, V.S.R.K. and Ramamurthi, M. Chemicals and Petrochemicals, 1-7 Oct 1980 - (impact factor 0.05)

PAPERS PRESENTED IN CONFERENCES

1. **“Mechanical Properties of Glass Fiber Reinforced Polyester ZnO Nano Composites”**
B. Naga Raju, V.S.R.K. Prasad, K. Ramji published in Materials today proceeding, ELSIVER Journals in 2015
2. **“Biosorption of Copper(II) and cadmium(II) ion from aqueous solution using SyzygiumcuminiL.Leaves powder”**, M.Sujatha, P.Kalpana, D.A.Naidu, P.King and V.S.R.K. Prasad., International Symposium on Desalination, Drinking water quality in rural areas, Drought mitigation and water reuse (InDAICON-2011) held at Dept of Engineering Chemistry, University college of Engineering, JNTUK, Vizianagaram, A.P. March 24th and 25th , 2011.
3. **“Investigation of the Biosorption mechanism of malachite green onto psidiumGuajava”**, P.Murali, P.Kalpana, D.A.Naidu.P.King and V.S.R.K.prasad., Indian Chemical Engineering Congress, CHEMCON-2011 held at Dept of Chemical Engineering, M.S.Ramaiah Institute of Technology, Balgore,27-29th December,2011.
4. **“Synthesis and characterization of high pure ZnOnano- articles by combustion methods”** B.Nagaraju, K.Ramji and V.S.R.K.Prasad International conference on “Nano-Technology materials for frontier applications (NANCON2010) organized by CMET(Center for Electronics Technology) North Carolina A & T State University, USA, Bharathi Vidyapeeth University, Pune and TUSKGEE University, USA on 14th& 15th October, 2010
5. **“Studies on biosorption of Cadmium(II)ion from aquous solution using xzygiumcumini ,L.(plum leaves)”**. M.Sujatha, P.Kalpana, D.A.Naidu, P.King and V.S.R.K.Prasad. Indian Chemical Engineering Congress, CHEMCON-2010 held at Dept of Chemical Engineering, Annamalai University, Chidambaram, 27-29th December, 2010.
6. **“Removal of cadmium from aqueous solution using egg shell powder:Equilibrium& kinetic studies”** K.ChinaMalakondaiah, P.Kalpana, D.A. Naidu, P. king and V.S.R.K.prasad. Indian Chemical Engineering Congress, CHEMCON-2010 held at Dept of Chemical Engineering, Annamalai University, Chidambaram, 27-29th December, 2010.
7. **“Equilibrium & Kinetic Studies of biosorption of copper (II) ion from aqueous solution using SyzygiumCuminiL”**. M.Sujatha, S.BeenaLahari, D.A.Naidu, P.King and V.S.R.K.prasad. Indian Chemical Engineering Congress, CHEMCON-2010 held at Dept of Chemical Engineering, Annamalai University, Chidambaram, 27-29th December, 2010.

8. **“Biosorption of copper from aqueous solution using Azadirachtaandicabark: equilibrium and kinetic studies”** K.Anuradha,S.Beenalahari, D.A.Naidu, P.King and V.S.R.K.Prasad Indian Chemical Engineering Congress, CHEMCON-2010 held at Dept of Chemical Engineering, Annamalai University, Chidambaram, 27-29th December, 2010.
9. **“Biosorption of Congo red from aqueous solution using Psidiumguajaval.f”**. P.King, P.Vijay, D.A.Naidu and V.S.R.K.Prasad. National seminar on “Solid and hazardous wastes management for safety, health &environment”Held at Dept. of Environmental Sciences, Andhra University, Visakhapatnam. 16-17 Mar, 2009.
10. **“Equilibrium, kinetic and thermodynamic studies of Methylene blue biosorptionfrom aqueous solution using Syzygiumcuminiil.f”**. P.King, V.V.Manorama, D.A.Naidu and V.S.R.K.Prasad. National seminar on “Solid and hazardous wastes management for safety, health &environment”Held at Dept. of Environmental Sciences, Andhra University, Visakhapatnam. 16-17 Mar, 2009.
11. **“Biosorption of Congo red from aqueous solution using Syzygiumcumini”**. L.M.Bhargavidevi, P.King, D.Appala Naidu and V.S.R.K.Prasad. Indian Chemical Engineering Congress, CHEMCON-2009 held at Dept of Chemical Engineering, Andhra University, Visakhapatnam, 27-30th December, 2009.
12. **“Studies on Ionic mass transfer with submerged impinging jet in a closed cylindrical cell in the presence of different densities of Solids”**. P.Jagan Mohan, P.King and V.S.R.K.Prasad. Indian Chemical Engineering Congress, CHEMCON-2009 held at Dept of Chemical Engineering, Andhra University, Visakhapatnam, 27-30th December, 2009.
13. **“Drag reduction by addition of Polymer in the conical tank”**. Y.Rajesh, P.King and V.S.R.K.Prasad. Indian Chemical Engineering Congress, CHEMCON-2009 held at Dept of Chemical Engineering, Andhra University, Visakhapatnam, 27-30th December, 2009.
14. **“Biosorption studies of copper ion on Ulvafasciata sp”**. Y.Prasannakumar, P.King, and V.S.R.K.Prasad. National symposium on “ Advances in Chemical Engineering”. Held at College of Technology, Osmania University, Hyderabad. 22-24 Nov,2007.
15. **“Biosorption of lead from aqueous solution by egg shell powder: Equilibrium and kinetic studies”**. P.King, S.Beenalahari, Y.Prasanna Kumar and V.S.R.K.Prasad. National symposium on “ Advances in Chemical Engineering”. Held at College of Technology, Osmania University, Hyderabad 22-24 Nov,2007.

16. **“Biosorption comparison for modeling of copper and zinc on to Tectonagrandsl.f”.** Y.Prasannakumar, P.King, and V.S.R.K.Prasad. National conference on “ Current trends in chemical engineering and Bio process engineering”. Held at Dept. of Chemical Engg. .V.University, Tirupathi. 13-14 Dec, 2007.
17. **“Adsorption of Copper (II) from aqueous solutions using Ulvafasciatasp.: Equilibrium and Kinetic modelling”** Y.Prasanna Kumar , P. King and V.S.R.K.Prasad International Conference on Emerging Trends in Mineral Process Engineering at Bhubaneswar from 11th to 13th June 2005 - (impact factor 4.769).
18. **“Biosorption of Copper from aqueous solution by Tectonagrands L.f.”** V.S.R.K. Prasad, Y.P. Kumar, P. King. National conference on advances in the frontiers of environmental research, at Department of Environmental Science, Andhra University, Visakhapatnam. 19-21 Nov. 2005.
19. **“Adsorption of Cadmium using non-conventional adsorbents”** Y.Prasanna Kumar, P. King and V.S.R.K.Prasad Accepted for presentation at French-Algerian conference on Chromatography (CFAC-01/2004) at Algiers from 2nd to 3rd December.
20. **“Analysis of current potential data for rapid evaluation of corroding systems using linear polarization technique”** Ramesh, A.V.S.S., Murthy, Ch.V.R., Prasad, V.S.R.K. and BhaskaraSarma, C. CHEMCON – 99 Published by Indian Institute of Chemical Engineers in 1999.
21. **“Removal of Phenolic components by Coconut Shells”** Subhashini, K. and Prasad, V.S.R.K. CHEMCON–98 Published by Tata Mc Graw Hill for Indian Institute of Chemical Engineers in 1998.
22. **“Conversion of dairy wastes to useful end products”** Swathi Lakshmi, G Prasuna, M. and Prasad, V.S.R.K. CHEMCON–98 Published by Tata Mc Graw Hill for Indian Institute of Chemical Engineers in 1998
23. **“Waste Water Treatment using Aerobic/Anaerobic fluidized bed reactor”.** Nirumapa, K., Lakshmineeraja, Y. and Prasad, V.S.R.K. CHEMCON–98 Published by Tata Mc Graw Hill for Indian Institute of Chemical Engineers in 1998

APPENDIX – IV

Details of Seminars / Conferences:

Details of Courses	Place	Duration	Role
International Symposium on Social Business for Sustainable Development	Visakhapatnam	5 th to 7 th Jan 2017 (presently processing the program arrangements)	Chairman, National Organizing Committee
Workshop on solutions for waste management: <i>smart technologies for a smart city</i>	Visakhapatnam	26 th Nov,2015	Chairman
Work shop on Planning of environmental friendly smart cities	ANITS, Visakhapatnam	4th & 5 th June,2015	Chairman
Ripples-2007, A National Chemical Engineering Student Symposium	Dept. of Chemical Engg., AndhraUniversity, Visakhapatnam	Jan,2007 (2 days)	Convener
Pollution control Techniques adopted industrially	Dept. of Chemical Engg., AndhraUniversity, Visakhapatnam	Dec, 2005 (1day)	Convener
Environmental awareness on Industrial Pollutants (a one day Seminar)	V.S.P. Steel Plant	Feb, 2002 (1 day)	Convener
Environmental pollution control techniques for small and medium scale industries	-DO-	Feb, 2000(2days)	Convener

CHEMCON 1998, An International Chemical Engineering Conference	Dept. of Chemical Engg., AndhraUniversity, Visakhapatnam	Dec,1998 (3days)	Organized Technical Sessions
Biotechnology in coming decades	-DO-	June, 1993 (3days)	Organizing committee member
QIP course on CAD – CAM	IISC, Bangalore	Oct, 1985(15days)	Participant
Summer course on Bio Reactor design.	A.U, Waltair	Jun, 1988(15days)	Participant
Workshop on Fluid mixing	A.U. Waltair	Dec, 1984(2days)	Participant
Bioconversion agro cellulogic residues to energy, Food and chemicals.	-DO-	Oct, 1989(3days)	Participant
Non conventional energy symposium	Waltair	1994(1day)	Participant

APPENDIX – V

Community work:

- 1) Active member in voluntary organizations like Lions club international presently being 'District Chairman for career planning' during the year 2016-17 and previously District Chairman for Environment for about 14 years, after working as president of Lions Club of Waltair during 1998 – 1999, District Cabinet Secretary Lion District 324 – CI during 2000 – 2001.

- 2) Organized blood donation / identification camps to help the needy, for several times in 1999, 2001, 2002 & 2004 to 2016
- 3) Working for a permanent project “Home for aged”.
- 4) Speaker from various flat forms of Lions Clubs to inform the society of need for environmental awareness to keep them hale and healthy, particularly about smoking hazards, vehicular pollution and on the needs for maintaining good greenery, saving the water and minimizing the wastage of all the resources including food wastage.
- 5) Helped the needy, the poverty ridden students with financial support personally, also through Lions club and through other charity organizations. Every year from 2003 onwards, around one lakh rupees per annum could be dispersed.