

SPECIAL ISSUE
IN MEMORY OF
LATE PROF. RADHA RAMAN GUPTA



Professor R. R. Gupta (1941–2008)
Great Heterocyclic Chemist
Highly Spiritual Person

We've never been cold here in your shadow because we've had your sunlight on our faces... but you weren't content to shine... You wouldn't dare leave us behind so..... we've had a part in all of your glories, now we share a part of your strengths. Your beautiful face... for so long. The beautiful smile that hid your pain. It might have appeared to have gone unnoticed... but we've got it all here in our hearts. We want you to know, we know the truth... Of course we know... We might have been nothing without you. Did you ever know that you were our hero? You were all of those things we're striving to be... Now we can climb toward that higher mark... Because you were the wind beneath our wings. WE THANK GOD FOR YOU with much love.

PROFESSOR R. R. GUPTA (1941-2008)

The present special issue of *Heterocyclic Letters* is dedicated to late Prof. R.R.Gupta on his 70th birth day, for his research work in the field of the Heterocyclic Chemistry. Prof. R. R. Gupta was a distinguished Professor, eminent scientist, and Founder Editor-in-Chief of International Journal, *Heterocyclic Communications*. He was also Founder Editor of the well-acclaimed series “*Topics in Heterocyclic Chemistry*” (Springer), and Editor of several volumes of prestigious Landolt-Bornstein series (Springer). Professor Gupta was author of several research monographs and international books.

Prof. Gupta was born in Rajgarh, in the district of Rajasthan, India. Prof. Gupta joined the Chemistry Department of the University of Rajasthan in 1968, and superannuated as Professor in Chemistry in 2001 after 33 years of distinguished services. He was loved and admired by colleagues and students alike.

Prof. Gupta was a prominent scientist and made significant contributions to the field of heterocyclic chemistry as well as theoretical chemistry (diamagnetism and chemical bonding). He introduced an international journal of heterocyclic chemistry, *Heterocyclic Communications* (Freund Publishing House, London) in 1995 and continued as Editor-in-Chief in collaboration with the regional editors from the US, France, and Japan and an international editorial board of nearly 80 eminent scientists from all over the world. Prof. Gupta introduced an international series in heterocyclic chemistry *Topics in Heterocyclic Chemistry* (Springer), with an International editorial board of five distinguished Professors and eminent scientists including Nobel Laureate Prof. R. Noyori (Japan).

Prof. Gupta was prolific scientific writer who authored, co-authored, and edited nearly 15 volumes on NMR spectral data of different nuclei in the most prestigious and oldest series of chemistry, the Landolt-Boernstein series, published by Springer. Prof. Gupta also edited three volumes on “Diamagnetic Susceptibility and Anisotropy of Organic and Organometallic Compounds” in the Landolt-Boernstein series.

Prof. Gupta also edited a book on *Physical Methods in Heterocyclic Chemistry* (John Wiley, New York) to which top ranking distinguished scientists from all over the world contributed. He was also editor of *Phenothiazines and 1,4-Benzothiazines: Chemical and Biomedical Aspects* (Elsevier, Amsterdam). Prof. Gupta not only contributed research monographs to self-edited books, but also to books edited by other renowned scientists. He contributed to the prestigious series *Chemistry of Functional Groups* edited by S. Patai (Wiley, New York). Prof. Gupta also contributed a chapter to the *CRC Handbook of Chemistry and Physics* in its 59th Edition.

Prof. Gupta authored not only a number of reference books and monographs, relating to his research field, but also authored text books on heterocyclic chemistry published by Springer, which are currently being used in Indian and foreign universities at post-graduate level. Prof. Gupta was Chairman and Member of several national and international committees. He visited 28 countries for his scientific research and delivered plenary and invited lectures and chaired scientific sessions at international conferences. He also organized as chairman an international conference sponsored by

the International Union of Pure and Applied Chemistry (IUPAC) "Phenothiazine and Related Psychotropic Drugs" in 1996 held at Jaipur, India. He was a member of the International Advisory Board for an international conference on "Reversal of Drug Resistance" (Szeged, Hungary). He was also a member of the International Advisory Board of the International Society of Antimicrobial Activity of Non-Antibiotics and organized the 2nd international conference in Denmark. Prof. Gupta was a member of the Advisory Council of the International Biographical Centre (Cambridge, England), and a member of the International Society of Heterocyclic Chemistry. For his service to science and to education, Prof. Gupta was included among the top 100 scientists of the world by the International Biographical Centre (England). Prof. Gupta was a member of the UGC committee (UGC, New Delhi) which framed the chemistry syllabus for UG and PG classes in Indian universities. Prof. Gupta supervised more than 30 students for their doctoral degree.

Prof. Gupta published nearly 250 scientific articles in journals of international repute (including ACS Journals). Prof. Gupta was awarded an International Fellowship by the International Union against Cancer (UICC, Switzerland) to carry out research work in the cancer research laboratory of the Medical School of Auckland University in New Zealand. He was awarded fellowships for Post-Doctoral research work in Marseille (France) and Munich (Germany). Prof. R. R. Gupta retired in 2001 and remained active in scientific research as a distinguished editor till he breathed last. It is a great loss to the scientific community which immensely benefited from his significant contributions.

SCIENTIFIC ACHIEVEMENTS OF PROF. R.R. GUPTA

1. Edited **Volume III/27a** on "**Diamagnetic Susceptibilities and Anisotropies of Inorganic Compounds**" in Landolt-Börnstein Series (Springer-Verlag, Germany, 2006).
 2. Edited **Volume III/27b** on "**Diamagnetic Susceptibilities of Organic Compounds**" in Landolt-Börnstein Series (Springer-Verlag, Germany, 2006).
 3. Edited **Volume III/27c** on "**Diamagnetic Anisotropies of Organic Compounds**" in Landolt-Börnstein Series (Springer-Verlag, Germany, 2006).
- Edited As Series Editor 4-11:**
4. "**Microwave-Assisted Synthesis of Heterocycles**" (Springer-Verlag, Germany, 2006).
 5. "**Heterocyclic Antitumor Antibiotics**" (Springer-Verlag, Germany, 2006).
 6. "**QSAR and Molecular Modeling Studies in Heterocyclic Drug I**" (Springer-Verlag, Germany, 2006).
 7. "**QSAR and Molecular Modeling Studies in Heterocyclic Drug II**" (Springer-Verlag, Germany, 2006).
 8. "**Marine Natural Products**" (Springer-Verlag, Germany, 2006).
 9. "**Bioactive Heterocycles I**" (Springer-Verlag, Germany, 2006).
 10. **Phosphorus Heterocycles** (Springer-Verlag, Germany, 2008).
 11. **Aromaticity in Heterocyclic Compounds** (Springer-Verlag, Germany, 2008).

12. Coedited **volume III/35D Part-4 C-13 NMR Data of Natural Products** (Springer-Verlag, Germany, 2006).
13. Coedited **volume III/35G "Se-77 NMR Data"** (Springer-Verlag, Germany, 2005).
14. Coedited **volume III/35D Part 2 (C-13 NMR Data of Aromatic Compounds)** (Springer-Verlag, Germany, 2004).
15. Coedited **volume III/35C Part-2 "H-1 NMR Data of Heterocycles"** in Landolt-Börnstein Series (Springer-Verlag, Germany, 2003).
16. Coedited **volume III/35C Part-3 "H-1 NMR Data of Natural Products"** in Landolt-Börnstein Series (Springer-Verlag, Germany, 2003).
17. Coedited **volume III/35E "O-17 NMR Data"** in Landolt-Börnstein Series (Springer-Verlag, Germany, 2002).
18. Coedited **volume III/35C Part-4 "H-1 NMR Data of Inorganic and Organometallic Compounds"** in Landolt-Börnstein Series (Springer-Verlag, Germany, 2001).
19. Coedited **volume III/35C Part-1 "H-1 NMR Data of Organic Compounds"** in Landolt-Börnstein Series (Springer-Verlag, Germany, 2000).
20. **"Heterocyclic Chemistry" Volume I: Principles, Three and Four Membered Heterocycles** (with M. Kumar and Vandana Gupta, Springer-Verlag, Germany, 1998).
21. **"Heterocyclic Chemistry" Volume II: Five Membered Heterocycles** (with M. Kumar and Vandana Gupta, Springer-Verlag, Germany, 1999).
22. Coedited **volume III/35B "NMR Data (F-19 and N-15)"** in Landolt-Börnstein Series (Springer-Verlag, Germany, 1998).
23. Coedited **volume III/35A "NMR Data (B-11 and P-31)"** in Landolt-Börnstein Series (Springer-Verlag, Germany, 1997).
24. Coedited **"Thiazines and Related Compounds"** Proceedings of the Sixth International Conference on Phenothiazines and Structurally Related Compounds, Pasadena, USA, September 1990(Krieger Publishing Company, Malabar, Florida, USA, 1992).
25. Edited a book **"Phenothiazines and 1,4-Benzothiazines: Chemical and Biomedical Aspects"**(Elsevier, Amsterdam, 1988).
26. Contributed a **volume II / 16 "Diamagnetic Susceptibilities"** in Landolt-Börnstein Series (Springer-Verlag, Germany, 1986).
27. Edited a book **"Physical Methods in Heterocyclic Chemistry"** (John Wiley, New York, 1984).
28. Contributed a chapter **"1,4-Benzothiazines"** (with K.G.Ojha) to the volume cited in 23.
29. Contributed a chapter **"Free Radicals, Cations and Charge Transfer Complexes of Phenothiazines"** (with M. Kumar) to the volume cited in 23.
30. Contributed a chapter on **"Synthesis, Properties and Reaction of Phenothiazines"** (with M. Kumar) to the book cited in 23.

31. Contributed a chapter on "**Diamagnetic Behaviour of Organic Compounds Containing Carbon-Halogen Bonds**" to the series "The Chemistry of Functional Groups" (supplement volume D) edited by Saul Patai (John Wiley, England, 1983).
32. Contributed a section on "**Diamagnetic Susceptibilities Data of Organosilicon Compounds**" to the Hand Book of Chemistry and Physics (CRC Press, Ohio, USA, 1979).
33. Contributed a chapter on "**Diamagnetism of Heterocyclic Compounds**" (with E.A. Boudreaux) to the cited volume in 25.
34. Contributed a chapter on "**Chemistry of 1,4-Benzothiazines: Analogs of Phenothiazines**" (with Vandana Gupta and M. Kumar) to the book cited in 24.
35. Contributed a chapter on "**NMR Data of P-31**" (with M. Jain) to the book cited in 23.
36. Contributed a chapter on "**NMR Data of F-19**" (with M. Jain) to the book cited in 22.
37. Contributed a chapter on "**Introduction of NMR Data**" to the Landolt-Börnstein Volumes cited in 12-19, 22, 23 (Springer-Verlag, Germany).

AUTHOR / EDITOR / CONTRIBUTOR FOR INTERNATIONAL MONOGRAPHS

- (i) Edited a treatise on "**Physical Methods in Heterocyclic Chemistry**" (*Published by John Wiley, New York, USA, 1984*)
- (ii) Edited a treatise on "**Phenothiazines and 1, 4-Benzothiazines-Chemical and Biomedical Aspects**" Published by *Elsevier, Amsterdam*, (1988)
- (iii) Co-edited the proceedings of the **6th International Conference on Phenothiazines and Structurally Related Psychotropic Compounds** held during August 11-14, 1990 in *Pasadena, California, USA*.
- (iv) Contributed a chapter in the prestigious series "**Chemistry of Functional Groups**" Supplement D, Edited S. Patai and Z. Rappoport, (*John Wiley & Sons Ltd., Chichester, England, 1983*).
- (v) Contributed a section in **CRC Hand Book of Chemistry and Physics** (*CRC Press, USA*).

MEMBER OF UGC COMMITTEE (1998-2001)

- (i) Member of University Grants Commission, New Delhi in **UGC Chemistry panel**.

RESEARCH ACCOMPLISHMENTS

- (i) **International Union against Cancer (UICC, *Switzerland*)** has awarded **International Cancer Fellowship** to carry out biomedical investigations in Cancer Research Laboratory of Medical School of **Auckland University, Newzeland** in order to develop new anticancer agents.
- (ii) **Received fellowships abroad** and carried out post-doctoral and collaborative research work in *Munich University, Kiel University, Saarland University of Germany, and Marseille AIX III University of France.*
- (iii) **Visiting professor in *Marseille AIX II University, Marseille, France* as well as visiting lecturer in several *Brazilian Universities and research organizations.***
- (iv) **Published nearly "250 research papers in referred scientific journals of international repute including *ACS Journals.***