

PROF. MUSHI SANTAPPA: PUBLICATIONS ARCHIVE



**Prof. M Santappa Birth Centenary Celebrations
(1923 – 2023)**



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Prof. Mushi Santappa's Bio-Brief

Mushi Santappa was born on 2nd October 1923 in Jonnagiri village, Andhra Pradesh, to Arikeri Basappa-Rajoli couple and graduated in Chemistry from the University of Madras in 1943. He obtained a Master's Degree from Banaras Hindu University in 1946, after which he was awarded a Ph.D. from the University of London under the guideship of R. W. West. Further, he obtained another Ph.D. in 1951 from Manchester University on the title *Physical Chemistry of High Polymers* under the guidance of Meredith Gwynne Evans, a Fellow of the Royal Society.

He came back to India after completion of Ph.D. studies and joined the University of Madras as a Reader of Physical Chemistry Department in 1952, and in 1958, he was transferred to the Madurai Extension Centre (present-day Madurai Kamaraj University) as a Professor. Prof Santappa returned to Chennai in 1963 as the Head of the Department of Physical Chemistry. He served as a UGC Senior Professor at the University of Madras from 1966 onward. He was Director of Central Leather Research Institute (CLRI) from 1972 -78 and 1980-81. He was Vice Chancellor of Sri Venkateswara University, Tirupati, during 1979-1980. He was Vice Chancellor of the University of Madras from 1981 to 1984. While working as the UGC professor, he co-founded "*Avanti Leather Limited*," a public limited company involved in the manufacture and export of leather products, in 1976.

Santappa's early research during his doctoral studies was related to vinyl monomers and their free radical polymerization using light, but later, he shifted his focus to the study of the kinetics of vinyl polymerization during his stint at the laboratory of Meredith Gwynne Evans. Through these studies, he propounded that vinyl monomers could be polymerized using photopolymerization. He also demonstrated the synthesis of graft copolymers by a simple chain transfer process and also studied the oxidation of a number of organic substrates.

Contribution to Research & Development:

Prof Santappa has published over 350 articles and has guided 59 research scholars on doctoral studies. He published a comprehensive text on the "*State of the Art in Polymer Science and Engineering in India*." together with Santi K. Palit, a known Chemist, he promoted research in Polymer Science at the Indian Association for the Cultivation of Science (IACS) and was one of the organizers of the International Symposium on Polymers, under the aegis of the International Union of Pure and Applied Chemistry (IUPAC), held in Chennai in 1983. He served as the chair of the "*Science and Society*" project under the Department of Science (DST) and Technology and has been an adviser to the Tamil Nadu Pollution Control Board (TNPCB). During his tenure as the Vice-Chancellor, University of Madras, he established the Department of Energy and

Department of Polymer Science and Technology. He was also a National Professor and member of the University Grants Commission (UGC) and in the council of the Indian National Science Academy (INSA).

Fellowships:

He was an elected Fellow of the Indian Academy of Sciences, National Academy of Sciences, India, Royal Institute of Chemistry, and New York Academy of Sciences and a Founder Fellow of the Academy of Sciences, Chennai.

Awards and Honors:

The Council of Scientific and Industrial Research awarded him the Shanti Swarup Bhatnagar Prize for Science and Technology, one of the highest Indian science awards, in 1967, for his contributions to Chemical Sciences. He received the Sir J. C. Ghosh Memorial Medal of the Indian Chemical Society in 1982 and the FICCI Award for Science and Technology of the Federation of Indian Chambers of Commerce & Industry in 1985. He also received the Sri Kanchi Mahaswami Trust and the Voice Award for Science and Technology of Leather. He received an honorary DLitt from Gulbarga University and the Doctor of Science (*honoris causa*) from Andhra University, Madras University, Sri Krishna Devaraya University, and Madurai Kamaraj University. The Society for Polymer Science, India, has instituted an annual award, "*Professor M. Santappa Award*," in his honour, which recognizes excellence in research in Polymer Chemistry.

Santappa married Lakshmi Devi, and the couple has three daughters and two sons. He died at the age of 93 on 26th February 2017 in Chennai.

LIST OF PUBLICATIONS

RESEARCH PAPERS PUBLISHED BY PROF. M SANTAPPA (1951 – 1989)

| S.No. | Title | Authors | Journal | Volume | Issue | Pages | Year | DOI |
|-------|--|--|--|--------|-------|-----------|------|-----------------------------|
| 1. | Kinetics and Mechanism of Hydrogen Peroxide Reactions of Diperoxo(amine)chromium(IV) Complexes: Evidence for Formation of an Oxodiperoxo(amine)chromium(VI) Intermediate | Ranganathan C.K., Ramasami T., Ramaswamy D., Santappa M. | Inorganic Chemistry | 28 | 7 | 1306-1310 | 1989 | 10.1021/ic00306a020 |
| 2. | State of Art of polymer Research in India. Part III. Physical chemistry of polymers | Santappa, M | Proceedings of the Indian National Science Academy-Part A: Physical Sciences | 55 | 6 | 799-827 | 1989 | |
| 3. | State of the Art of polymer research in India. Part II. Kinetics of polymerisation | Santappa, M | Journal of Scientific & Industrial Research | 47 | | 439 | 1988 | |
| 4. | State of the Art of polymer research in India. Part I. Modification of polymers by grafting | Santappa, M | Journal of Scientific & Industrial Research | 47 | | 384-394 | 1988 | |
| 5. | A few characterization studies on some poly(methyl aryloxymethacrylates) | Devarajan R., Balakrishnan T., Santappa M. | Journal of Polymer Science Part A: Polymer Chemistry | 25 | 12 | 3183-3190 | 1987 | 10.1002/pola.1987.080251201 |
| 6. | Effect of metal laurates on polymerization of methyl methacrylate in benzene | Theerthalingam, T.; Kothandaraman, H.; Santappa, M. | Die Makromolekulare Chemie | 183 | 3 | 687-696 | 1986 | |
| 7. | Hydrogen bonding and tautomeric equilibria in Schiff bases derived from 2-amino pyridines: electronic spectral evidence for substituent effects | Ranganathan, Hemalatha; Ramasami, T; Ramaswamy, D; Santappa, M | Indian Journal of Chemistry - Section A | 25 | | 127-130 | 1986 | |
| 8. | Acid Decomposition Reactions of Diperoxo(amine)chromium(IV) Complexes | Ranganathan C.K., Ramasami T., Ramaswamy D., Santappa M. | Inorganic Chemistry | 25 | 7 | 915-920 | 1986 | 10.1021/ic00227a007 |
| 9. | Stereospecific polymerization of some methyl aryloxymethacrylates. | Balakrishnan T., Devarajan R., Santappa M. | Journal of Polymer Science. Part A-1: Polymer Chemistry | 22 | 8 | 1909-1921 | 1984 | 10.1002/pol.1984.170220813 |
| 10. | Oxygen-ascorbic acid-ferric ion initiating system. Kinetics of polymerization of methyl methacrylate | Reddy G.G., Nagabushanam T., Rao K.V., Santappa M. | Die Angewandte Makromolekulare Chemie | 115 | 1 | 61-74 | 1983 | 10.1002/apmc.1983.051150106 |
| 11. | Ternary coordination complexes of Cr(III) with glycine and some dicarboxylic acids-potentiometric, spectral and ion-exchange studies | Chalapathy, K. V.; Nair, M. S.; Ramaswamy, D.; Santappa, M. | Journal of the Indian Chemical Society | LX | | 1175 | 1983 | |
| 12. | Partial substitution of wattle in E. I. tanning by a new process | D. Ghosh; A. Duraikannu; K. R. V. Thampuran; G. | Leather Science | 30 | 12 | 361 | 1983 | |

| | | | | | | | | |
|-----|---|---|---|-----|----|-----------|------|------------------------------|
| | | Ramamurthy; M. Santappa | | | | | | |
| 13. | Graft and technology of chrome tanning | Srinivasan, K. S. V.; Han, I. N. S.; Santappa, M. | ACS Symposium Series | 187 | | 155 | 1982 | |
| 14. | Radical polymerisation of ethyl acrylate in the presence of molecular oxygen. | Reddy G.Gangi, Nagabhushana m T., Rao K.Venkata, Santappa M. | British Polymer Journal | 14 | 3 | 89-94 | 1982 | 10.1002/pi.4980140302 |
| 15. | Polymeric surface coatings for use as leather finishes-Part I. Studies on synthesis and characterisation of urethane acrylate oligomers | Sai Kumar C., Rajadurai S., Santappa M. | Bulletin of Materials Science | 4 | 5 | 583-587 | 1982 | 10.1007/BF02824967 |
| 16. | The shape, size and flow behaviors of micelle forming various synthetic tannin materials in aqueous solutions | Mandal A.B., Ramaswamy D., Das D.K., Santappa M. | Colloid & Polymer Science | 260 | 7 | 702-707 | 1982 | 10.1007/BF01414657 |
| 17. | Oxygen-ascorbic acid-Copper (II) initiating system. A kinetic study of the polymerisation of methyl acrylate in aqueous medium | Reddy, G Gangi; Nagabhushana m, T; Santappa, M; Rao, K Venkata | Die Makromolekulare Chemie | 183 | 4 | 905-913 | 1982 | |
| 18. | Tensile properties of blends of copolymers of n-butyl methacrylate with ethyl acrylate and chlorinated rubber | Pitchumani S., Rami Reddy C., Rajadurai S., Joseph K.T., Santappa M. | European Polymer Journal | 18 | 11 | 949-952 | 1982 | 10.1016/0014-3057(82)90080-5 |
| 19. | Ternary Coordination Complex Formation between Glycylglycine, Copper (II) | Nair, M Sivasankaran; Venkatachalapathi, K; Santappa, M | Indian Journal of Chemistry - Section A | 21A | 4 | 435-437 | 1982 | |
| 20. | Equilibrium Studies on Containing-Arginine & Copper (II) Mixed Ligand Complexes-Histidine, Histaline or Imidazole | Nair, M Sivasankaran; Santappa, M | Indian Journal of Chemistry - Section A | 21A | 1 | 58-62 | 1982 | |
| 21. | Ternary Coordination Complexes of Copper(II) Containing Histamine and Some Amino Acids | Nair M.S., Venkatachalapathi K., Santappa M., Murugan P.K., Nair M.S., Venkatachalapathi K., Santappa M., Murugan P.K., Nair M.S. | Inorganic Chemistry | 21 | 6 | 2418-2421 | 1982 | 10.1021/ic00136a058 |
| 22. | Kinetics and Mechanism of the Equilibration Reactions of Diaquochromium(III)-Schiff Base Derivatives, Cr(Schiff base)(H ₂ O) ₂ ⁺ , and Their Conjugate Bases with Thiocyanate, Azide, Imidazole, Pyridine, and Nicotinic Acid as Ligands | Prasad D.R., Ramasami T., Ramaswamy D., Santappa M. | Inorganic Chemistry | 21 | 3 | 850-854 | 1982 | 10.1021/ic00133a002 |
| 23. | Ternary Coordination Complexes of Copper(II) with Imidazole and Bidentate or Potentially Tridentate Ligands | Nair M.S., Santappa M., Murugan P.K. | Inorganic Chemistry | 21 | 1 | 142-145 | 1982 | 10.1021/ic00131a028 |

| | | | | | | | | |
|-----|---|--|---|----|----|-----------|------|----------------------------|
| 24. | Kinetics and mechanism of the amine exchange reactions of 2-aminopyridine derived Schiff-base ligands and their copper(II) complexes | Ranganathan H., Ramasami T., Ranganathan C.K., Ramaswamy D., Santappa M. | International Journal of Chemical Kinetics | 14 | 2 | 161-172 | 1982 | 10.1002/kin.550140206 |
| 25. | Synthesis, characterization, and fiber studies of certain aromatic polyamides | Balasubramanian M., Nanjan M.J., Santappa M. | Journal of Applied Polymer Science | 27 | 5 | 1423-1432 | 1982 | 10.1002/app.1982.070270501 |
| 26. | Grafting of polymeric side chains to gelatin | Joseph A., Radhakrishnan G., Joseph K.T., Santappa M. | Journal of Applied Polymer Science | 27 | 4 | 1313-1319 | 1982 | 10.1002/app.1982.070270420 |
| 27. | Kinetics of Polymerization of Vinyl Monomers Initiated by Manganese (III) Acetate. I | Kaliyamurthy K., Elayaperumal P., Balakrishnan T., Santappa M. | Journal of Macromolecular Science: Part A - Chemistry | 18 | 2 | 219-236 | 1982 | 10.1080/00222338208074420 |
| 28. | Oxygen-Ascorbic Acid-Vanadyl Ion Initiating System. A Kinetic Study of the Polymerization of Methyl Methacrylate and Acrylonitrile in Aqueous Sulfuric Acid | Reddy G.G., Nagabhushanam T., Venkata Rao K., Santappa M. | Journal of Macromolecular Science: Part A - Chemistry | 17 | 8 | 1203-1224 | 1982 | 10.1080/00222338208074394 |
| 29. | Effect of additives on the cross section of PAN (polyacrylonitrile) fibres | Joseph, N., Murthy, A. K., Joseph, K. T., Santappa, M | Journal of Macromolecular Science—Chemistry | 18 | 2 | 153-158 | 1982 | |
| 30. | Gamma radiation-induced bulk polymerization of some methyl aryloxymethacrylates | Devarajan, R.; Balakrishnan, T.; Santappa, M.; Viswanathan, B. | Journal of Polymer Science - Polymer Chemistry Edition | 20 | 7 | 1863–1873 | 1982 | |
| 31. | A comparison of the absolute reactivity of vinyl monomers. I. Kinetic studies on radical polymerization of vinyl monomers initiated by a Mn ³⁺ -diglycolic acid redox system | Elayaperumal P., Balakrishnan T., Santappa M., Lenz R.W. | Journal of Polymer Science. Part A-1: Polymer Chemistry | 20 | 12 | 3325-3336 | 1982 | |
| 32. | Vegetable tannings - a review | Santappa, M.; Rao, V. Sundara | Journal of Scientific & Industrial Research | 41 | | 705–718 | 1982 | |
| 33. | Science and technology of chrome tanning | Santappa, M; Ramasami, T; Kedlaya, KJ | Journal of Scientific & Industrial Research | 41 | | 616-627 | 1982 | |
| 34. | Equilibrium studies of binary and mixed-ligand complexes of zinc(II) involving imidazole, histamine, and L-histidine as ligands | Nair M.S., Venkatachalapathi K., Santappa M. | Journal of the Chemical Society, Dalton Transactions | | 3 | 555-559 | 1982 | 10.1039/DT982000055 |
| 35. | Binary and ternary complexes of chromium(III) involving iminodiacetic acid, L(+)-aspartic acid, L(+)-glutamic acid, or L(+)-cysteine as ligands | Venkatachalapathi K., Nair M.S., Ramaswamy D., Santappa M. | Journal of the Chemical Society, Dalton Transactions | | 2 | 291-297 | 1982 | 10.1039/DT9820000291 |
| 36. | Ternary co-ordination complexes of copper(II) with L-histidine and some selected amino-acids | Nair M.S., Venkatachalapathi K., Santappa M., Murugan P.K. | Journal of the Chemical Society, Dalton Transactions | | 1 | 55-60 | 1982 | 10.1039/DT9820000055 |

| | | | | | | | | |
|-----|---|---|---|-----|----|-----------|------|------------------------------|
| 37. | Carbon fibres | Santappa, M. | Journal of the Indian Chemical Society | LIX | 3 | 321–328 | 1982 | |
| 38. | A comparison of the absolute reactivity of vinyl monomers. II | Elayaperumal, P.; Balakrishnan, T.; Santappa, M. | Journal of the Madras University, Section B | 46 | | 58–73 | 1982 | |
| 39. | Dilute solution properties-short-range and long-range interaction parameters of poly (methacrylonitrile-co-styrene), poly (acrylonitrile-co-styrene) and poly (methacrylonitrile) | G. Venkataramana Reddy; K. S. V. Srinivasan; M. Santappa | Leather Science | 29 | 5 | 163 | 1982 | |
| 40. | Reactivity ratios of ethyl acrylate, n-butyl-methacrylate copolymers by C NMR | S. Pitchumani; C. Rami Reddy; S. Rajadurai; K. T. Joseph; M. Santappa | Leather Science | 29 | 3 | 83-85 | 1982 | |
| 41. | Preparation and structural implications of 2-amino pyridine derived Schiff base | Ranganathan, H.; Ramasami, T.; Ramaswamy, D.; Santappa, M. | Organic Preparations and Procedures International | 14 | | 372 | 1982 | |
| 42. | Kinetics of polymerization of vinyl monomers initiated by manganese(III) acetate. II | Kaliyamurthy K., Elayaperumal P., Balakrishnan T., Santappa M. | Polymer Journal | 14 | 2 | 107-113 | 1982 | 10.1295/polymj.14.107 |
| 43. | Preparation and characterization of some Schiff base complexes of first row transition elements | Ranganathan, H.; Ramasami, T.; Ramaswamy, D.; Santappa, M. | Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry | 12 | | 241 | 1982 | |
| 44. | Graft copolymer of cellulose nitrate | Srinivasan, K. S. V., HON DS., Santappa M | ACS Symposium Series | 11 | | 155-178 | 1982 | |
| 45. | Preparation and properties of immobilized amyloglucosidase | Nithianandam V.S., Srinivasan K.S.V., Joseph K.T., Santappa M. | Biotechnology and Bioengineering | 23 | 10 | 2273-2282 | 1981 | 10.1002/bit.26023.1010 |
| 46. | Immobilization of enzymes on alginic acid-polyacrylamide copolymers | Kumaraswamy M.D.K., Rao K.P., Joseph K.T., Santappa M. | Biotechnology and Bioengineering | 23 | 8 | 1889-1892 | 1981 | 10.1002/bit.26023.0815 |
| 47. | Synthesis of polyamides containing 4,4'- azodibenzamido units | Balasubramanian, M.; Nanjan, M. J.; Santappa, M. | Die Angewandte Makromolekulare Chemie | 182 | 3 | 853–859 | 1981 | |
| 48. | Immobilization of trypsin on poly (methyl methacrylate-co-2-acryloylamino-2-methylpropanesulfonic acid) | Nithianandam, Varadalambedu Srinivasan; Srinivasan, Kalathur Sabdham Vangepuram; Joseph, Koithara Thomas; Santappa, Mushi | Die Makromolekulare Chemie: Macromolecular Chemistry and Physics | 182 | 8 | 2193-2200 | 1981 | |
| 49. | Oxygen promoted radical polymerization of acrylonitrile in aqueous nitric acid. A kinetic study | Reddy G.G., Nagabhushanam T., Rao K.V., Santappa M. | European Polymer Journal | 17 | 12 | 1253-1257 | 1981 | 10.1016/0014-3057(81)90088-4 |

| | | | | | | | | |
|-----|---|---|---|-----|----|-----------|------|---------------------------|
| 50. | Ternary complexes of Cu(II) containing some similar type of amino acids | Nair, M. S.; Santappa, M. | Indian Journal of Chemistry - Section A | 20A | 10 | 990-993 | 1981 | |
| 51. | Kinetic and spectral evidence for a novel chloride ion effect and of complex formation in Chliramine - T Salicylic acidsystem in aqueous sulphuric acid | Vivekannadan, S.; Venkatarao, K.; Santappa, M.; Shanmuganathan, S. P. | Indian Journal of Chemistry - Section A | 20A | 1 | 86-87 | 1981 | |
| 52. | Graft Copolymers | Santappa M. | Journal of Macromolecular Science: Part A - Chemistry | 16 | 8 | 1493-1508 | 1981 | 10.1080/00222338108063250 |
| 53. | Binary and ternary complexes of copper(II) containing some potentially tridentate ligands | Nair M.S., Santappa M. | Journal of the Chemical Society, Dalton Transactions | | 4 | 992-996 | 1981 | 10.1039/DT9810000992 |
| 54. | Liming and consequent effects on tanning Microscopical and physico-chemical studies | D. K. Das; K. R. V. Thampuran; D. Ghosh; A. Duraikannu; G. Ramamurthy; M. Santappa | Leather Science | 28 | 12 | 423 | 1981 | |
| 55. | Short-range and long-range interaction parameters of poly (methyl methacrylate-co-methacrylonitrile), poly (ethyl methacrylate-co-methacrylonitrile) and poly (n-butyl methacrylate-co-methacrylonitrile) | G. Venkataramana Reddy; M. Santappa | Leather Science | 28 | 12 | 430 | 1981 | |
| 56. | Use of lyotropic salts in the rapid tanning of heavy leather | K. R. V. Thampuran; T. Vijayaramayya; D. Ghosh; G. Ramamurthy; A. Duraikannu; M. Santappa | Leather Science | 28 | 12 | 442 | 1981 | |
| 57. | Thermal and photochemical reactions of chromium (IV) Diperoxo complexes with organic substrates-Evidence for hydroxylation of proline and phenol | C. K. Ranganathan; T. Ramasami; D. Ramaswamy; M. Santappa | Leather Science | 28 | 10 | 351-354 | 1981 | |
| 58. | Potassium permanganate initiated graft copolymerisation of methyl methacrylate onto collagen methacrylate-co-ethyl acrylate) | K. Satish Babu; K. Panduranga Rao; K. T. Joseph; M. Santappa; Y. Nayudamma; Joseph; M. Santappa | Leather Science | 28 | 10 | 355 | 1981 | |
| 59. | Studies on the blends of n-butyl methacrylate-ethyl acrylate copolymers with chlorinated rubber as top coat | S. Pitchumani; C. R. Reddy; S. Rajadurai; K. T. Joseph; K. Parthasarathy; M. Santappa | Leather Science | 28 | 9 | 326-330 | 1981 | |
| 60. | Investigations on the rate of uptake of vegetable tannins with respect to time and concentration | K. R. V. Thampuran; A. Duraikannu; D. Ghosh; G. Ramamoorthy; M. Santappa | Leather Science | 28 | 9 | 333-334 | 1981 | |

| | | | | | | | | |
|-----|--|--|-----------------|----|---|---------|------|--|
| 61. | Novotone multicolour in | T. S. Ranganathan; R. Krishnamurthi; K. A. Ramasamy; N. R. Jayaraman; M. Santappa | Leather Science | 28 | 8 | 301 | 1981 | |
| 62. | Studies on removal of chloride from soak liquor | G. Sekaran; V. Krishnamurthy; W. Madhavakrishnan; M. Santappa | Leather Science | 28 | 7 | 257-264 | 1981 | |
| 63. | Effect of tanning agents on the grafting of vinyl polymers to collagen | K. Satish Babu; K. Panduranga Rao; T. Ramasamy; K. Thomas Joseph; Y. Nayudamma; M. Santappa | Leather Science | 28 | 7 | 253-256 | 1981 | |
| 64. | Vegetable tannins as raw materials for the manufacture of syntans | W. W. Madhusudanamma; K. N. S. Sastry; K. K. Reddy; V. S. Sundara Rao; Santappa M | Leather Science | 28 | 7 | 274-275 | 1981 | |
| 65. | Effect of additives on the mechanical properties of polyacrylonitrile fibres | Nandi Joseph; A. K. Murthy; K. T. Joseph; M. Santappa | Leather Science | 28 | 5 | 177-180 | 1981 | |
| 66. | Studies on water proofing of sole leather | K. R. V. Thampuran; D. K. Das; K. S. Jayaraman; G. Ramamoorthy; A. Doraikannu; D. Ghosh; M. Santappa | Leather Science | 28 | 5 | 199-200 | 1981 | |
| 67. | Challenges for the Indian leather industry | D. H. Kamat; P. S. Venkatachalam; M. Santappa | Leather Science | 28 | 4 | 155 | 1981 | |
| 68. | Rugby ball leather | J. K. Khanna; S. P. Ghosh; P. C. Devan; Jajit Singh; R. Selvarangan; M. Santappa | Leather Science | 28 | 3 | 116-117 | 1981 | |
| 69. | Viscosity molecular weight relation of poly (n-butyl methacrylate co-ethyl acrylate) | Pitchumani, S; Reddy, C Rami; Rajadurai, S; Thomas Joseph, K; Santappa, M | Leather Science | 28 | 2 | 413 | 1981 | |
| 70. | Influence of process variables on precursor and carbon fibres | Ganga Radhakrishnan; K. Thomas Joseph; M. Santappa | Leather Science | 28 | 2 | 27-31 | 1981 | |
| 71. | A novel technique of formulating colorants in dyeing and finishing of aniline upper leathers | R. Venkatachalapaty; N. S. K. Srinivasan; R. Selvarangan; M. Santappa | Leather Science | 28 | 2 | 44 | 1981 | |
| 72. | Partial substitution of wattle in E. I. tanning | D. Ghosh; K. R. V. Thampuran; A. Doraikannu; G. Ramamurthy; M. Santappa | Leather Science | 28 | 2 | 54-56 | 1981 | |

| | | | | | | | | |
|-----|--|---|---|-----|----|-----------|------|-------------------------------|
| 73. | Ensured gamma-Radiation-induced solution polymerization of some methyl acrylates | Devarajan, R.; Balakrishnan, T.; Santappa, M.; Vishwanathan, B. | Polymer Journal (Japan) | 13 | 7 | 615-622 | 1981 | |
| 74. | Polymerization of methyl methacrylate in the presence of molecular oxygen - a kinetic study | Reddy G.G., Nagabhushanam T., Venkata Rao K., Santappa M. | Polymer | 22 | 12 | 1692-1698 | 1981 | 10.1016/0032-3861(81)90388-8 |
| 75. | Grafting of methyl methacrylate onto cellulose nitrate initiated by benzoyl peroxide | Sudhakar D., Srinivasan K.S.V., Joseph K.T., Santappa M. | Polymer | 22 | 4 | 491-493 | 1981 | 10.1016/0032-3861(81)90167-1 |
| 76. | γ-radiation-induced solution polymerization of some methyl acrylates | Devarajan R., Balakrishnan T., Santappa M., Viswanathan B. | Polymer Journal | 13 | 7 | 615-622 | 1981 | 10.1295/polymj.13.615 |
| 77. | Preparation and characterization of some chromium (III) Schiff base complexes | Prasad, D. Rajendra; Ramasami, T.; Ramaswami, D.; Santappa, M. | Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry | 11 | | 431 | 1981 | |
| 78. | Kinetics of gamma radiation induced solution polymerization of methyl 2-(4-nitrophenoxymethyl)acrylate | Balakrishnan, Thayikkannu; Devarajan, Ramaswamy; Santappa, M.; Viswanathan, Balasubramanian | Die Makromolekulare Chemie | 1 | 6 | 373-378 | 1980 | |
| 79. | Enhanced stability of ternary complexes of Cu. (II) containing glycine and either Histamine or L-Histidine | Nair, M. S.; Santappa, M.; Natarajan, P. | Indian Journal of Chemistry - Section A | 19A | 11 | 1106-1110 | 1980 | |
| 80. | pH-Metric investigation of Cu(II) complexes with dipeptides | Nair, M. S.; Santappa, M.; Natarajan, P. | Indian Journal of Chemistry - Section A | 19A | 7 | 672-674 | 1980 | |
| 81. | Gel Permeation Chromatographic & Viscosity Studies on Poly (methyl methacrylate), Poly (methyl acrylate) & Poly (ethyl acrylate) | Reddy, G. Gangi; Nagabhushanam, T.; Santappa, M. | Indian Journal of Chemistry - Section A | 19A | 5 | 468-469 | 1980 | |
| 82. | Some novel reactions of N-Halogenoarene sulphonamides. A spectrophotometric study of the kinetics of reduction of acid permanganate by chloramines - T | Vivekannadan, S.; Venkatarao, K.; Santappa, M.; Shanmuganathan, S. P. | Indian Journal of Chemistry - Section A | 19A | 4 | 364-365 | 1980 | |
| 83. | Substitution Lability of Chromium(III) Complexes with Ground-State Distortion | Rajendra Prasad D., Ramasami T., Santappa M., Ramaswamy D. | Inorganic Chemistry | 19 | 10 | 3181-3183 | 1980 | 10.1021/ic50212a073 |
| 84. | Mixed-ligand complex formation by Cu(II) with imidazole and dipeptides | Nair M.S., Santappa M., Natarajan P. | Inorganica Chimica Acta | 41 | C | 07-Oct | 1980 | 10.1016/S0020-1693(00)88423-6 |
| 85. | Kinetics of polymerization of acrylic acid initiated by Mn ³⁺ -isobutyric acid redox system. II | Elayaperumal P., Balakrishnan T., Santappa M., Lenz R.W. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 18 | 8 | 2471-2479 | 1980 | |

| | | | | | | | | |
|-----|---|--|--|-----|----|-----------|------|----------------------|
| 86. | A novel method of preparing some new α -disubstituted vinyl monomers and their polymerizability. I. Synthesis of methyl α -phenoxymethylacrylate and its polymerizability | Devarajan, R.; Balakrishnan, T.; Santappa, M. | Journal of Polymer Science - Polymer Chemistry Edition | 18 | 3 | 1127-1130 | 1980 | |
| 87. | Mixed-ligand complex formation by copper(II) with imidazole derivatives and dipeptides in aqueous solution | Nair M.S., Santappa M., Natarajan P. | Journal of the Chemical Society, Dalton Transactions | | 11 | 2138-2142 | 1980 | 10.1039/DT9800002138 |
| 88. | Binary and ternary complexes of copper(II) involving imidazole, histamine, and L-histidine as ligands | Nair M.S., Santappa M., Natarajan P. | Journal of the Chemical Society, Dalton Transactions | | 8 | 1312-1316 | 1980 | 10.1039/DT9800001312 |
| 89. | Monomer reactivity ratios of some methyl acryloxymethacrylates | Balakrishnan T., Devarajan R., Santappa M. | Polymer Bulletin | 2 | 11 | 737-741 | 1980 | 10.1007/BF00255890 |
| 90. | Tautomerism in Schiff bases derived from substituted 2-amino pyridines and 2-hydroxy 1-naphthaldehyde-1h nmr evidence for tautomerism and conjugation | Ranganathan, Hemalatha; Ramaswamy, D; Ramasami, T; Santappa, M | Chemistry Letters | 8 | 10 | 1201-1202 | 1979 | |
| 91. | Preparation of aromatic polyamides based on phenylene diamines | Reddy, B Siva Rami; Radhakrishnan, Ganga; Santappa, M | Current Science | 48 | 10 | 437-438 | 1979 | |
| 92. | The function of skin acid protease in unhairing | Sivaparvathy, M.; Nandy, S. C.; Santappa, M. | Das leder | 30 | | 97 | 1979 | |
| 93. | Synthesis of a polyimide containing an azo group in the polymer chain | Balasubramanian, M.; Nanjan, M. J.; Santappa, M. | Die Angewandte Makromolekulare Chemie | 180 | 10 | 2517-2519 | 1979 | |
| 94. | Structure and reactivity of vinyl monomers in radical polymerization. 1. Kinetics of polymerization initiated by Manganese (III) acetate | Kaliyamurthy, K.; Elayaperumal, P.; Balakrishnan, T.; Santappa, M. | Die Angewandte Makromolekulare Chemie | 180 | 6 | 1575-1578 | 1979 | |
| 95. | Grafting of poly(ethyl acrylate) onto chlorinated rubber | Kaleem, K.; Reddy, C. R.; Rajadurai, S.; Santappa, M. | Die Makromolekulare Chemie | 180 | 3 | 851-853 | 1979 | |
| 96. | Thermal analysis of oxidized poly (acrylonitrile-co-methyl methacrylate) | Radhakrishnan, Ganga; Nagabhushanam, T; Joseph, KT; Santappa, M | Die Makromolekulare Chemie: Macromolecular Chemistry and Physics | 180 | 12 | 2923-2928 | 1979 | |
| 97. | Immobilization of pepsin on chitosan. | Nithianandam V.S., Srinivasan K.S., Joseph K.T., Santappa M. | Indian Journal of Biochemistry and Biophysics | 16 | 2 | 119-121 | 1979 | |

| | | | | | | | | |
|------|--|--|--|-----|----|-----------|------|----------------------------|
| 98. | Dicarboxylative chlorination of mic and crotonic acids by Chloromine- evidence for unusual routes in cus acidic media | Viveganandan, S.; Venkatararao, K.; Santappa, M.; Shanmuganathan, S. P. | Indian Journal of Chemistry - Section A | 18A | 6 | 503-504 | 1979 | |
| 99. | Kinetics of oxidation of cinnamic d crotonic acids by Manganese (III) in 90% acetic acid | Devarajan, R.; Elayaperumal, P.; Balakrishnan, T.; Santappa, M. | Indian Journal of Chemistry - Section A | 18A | 6 | 488-491 | 1979 | |
| 100. | Complexes of Palladium (II) & Zinc (II) with Schiff Bases Derived from Methyl Substituted Aminopyridines & Salicylaldehyde | Ranganathan, Hemlatha; Ramaswamy, D; Santappa, M | Indian Journal of Chemistry - Section A | 18A | 2 | 189-190 | 1979 | |
| 101. | Kinetics of 2, 6-Di-t-butylphenol-Formaldehyde Reaction in Presence of Alkali Catalysts | Reddy, B; Rajadurai, S; Santappa, M | Indian Journal of Chemistry - Section A | 17A | 6 | 627-629 | 1979 | |
| 102. | Kinetics and mechanism of oxidation of Isobutyric acid and acetic acid by Mn (III) | Elayaperumal, P.; Balakrishnan, T.; Santappa, M. | Indian Journal of Chemistry - Section A | 17A | 2 | 179-180 | 1979 | |
| 103. | Estimation of hide substance in leathers by gasometry. | Swamy M.P., Bangaruswamy S., Rao J.B., Santappa M. | Journal of the American Leather Chemical Association | 74 | 6 | 184-190 | 1979 | |
| 104. | Kinetic studies on the condensation reaction of 2-methylol-4-t-butylphenol with 4-t-butylphenol using acid catalysts. I | Reddy B.S.R., Rajadurai S., Santappa M. | Journal of Applied Polymer Science | 24 | 2 | 339-344 | 1979 | 10.1002/app.1979.070240203 |
| 105. | Grafting of methyl methacrylate to nitrocellulose by ceric ions | Sudhakar D., Srinivasan K.S.V., Joseph K.T., Santappa M. | Journal of Applied Polymer Science | 23 | 10 | 2923-2928 | 1979 | 10.1002/app.1979.070231009 |
| 106. | Kinetics of polymerization initiated by Mn ³⁺ + -substrate redox system - 1. | Elayaperumal P., Balakrishnan T., Santappa M., Lenz R.W. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 17 | 12 | 4099-4105 | 1979 | |
| 107. | Cellulose acetate lacquer-its development, properties and uses | K. G. Ananda Dev; T. J. Devassy; M. A. Ghani; M. Santappa | Leather Science | 26 | 5 | 187 | 1979 | |
| 108. | Matching of modeurop fashion shades (Autmn- Winter 1978-79) -Part III | R. Venkatachalapat hy; N. S. K. Srinivasan; M. A. Ghani; R.Selvarangan; P. S. Venkatachalam; M. Santappa | Leather Science | 26 | 1 | 1 | 1979 | |
| 109. | A role on the incidence of melanona on goat skin | Venkatesan, R. A.; Nandy, S. C.; Santappa, M. | The Indian Journal of Animal Sciences | 49 | | 154 | 1979 | |
| 110. | Urinary collagenous metabolites in adjuvant arterities | Rao, V. H.; Santappa, M.; Verbruggen, L.; Qrloff, S. | Indian Journal of Biochemistry and Biophysics | 15 | | 37 | 1978 | |
| 111. | Urinary excretion of collagen metabolities during acute inflammation | Rao, V. H.; Santappa, M.; Askenasi, R.; | Indian Journal of Biochemistry and Biophysics | 15 | | 36 | 1978 | |

| | | | | | | | | |
|------|---|--|--|-----|----|-----------|------|----------------------------|
| | | Louse, Le; Bazin | | | | | | |
| 112. | Kinetics and mechanism of hallogenative oligomerization of mesityl oxide by Chloramin-T. Evidence for a novel pathway in aqueous sulphuric acid | Vivekanandan, S.; Venkatarao, K.; Santappa, M.; Sanmuganathan, S. P. | Indian Journal of Chemistry - Section A | 16A | 6 | 519-520 | 1978 | |
| 113. | Dilute Solution Properties of Poly (methacrylonitrile) & Copolymers of Methacrylonitrile with Methacrylates | Reddy, G Venkataramana ; Santappa, M | Indian Journal of Chemistry - Section A | 16A | 2 | 99-103 | 1978 | |
| 114. | Deprotonation constant of some of Azicobaltoximes | Vijayarghavan, V. R.; Santappa, M. | Indian Journal of Chemistry - Section A | 16A | 2 | 178 | 1978 | |
| 115. | Control of salmonella in frog legs by chemical & physical methods. | Rao N.M., Nandy S.C., Joseph K.T., Santappa M. | Indian Journal of Experimental Biology | 16 | 5 | 593-596 | 1978 | |
| 116. | Kinetics and mechanism of oxidation of aliphatic ketoximes by thallium(III) acetate— part I | Balakrishnan T., Santappa M. | International Journal of Chemical Kinetics | 10 | 8 | 883-891 | 1978 | 10.1002/kin.550100808 |
| 117. | Vinyl polymerization: Kinetics of Ce (IV)-acetophenone-initiated polymerization of acrylonitrile in acetic-sulfuric acid mixtures | Rout Anuradha, Rout Swoyam P., Mallick Nigamananda, Singh Baishnab C., Santappa M. | Journal of Polymer Science - Polymer Chemistry Edition | 16 | 2 | 391-397 | 1978 | 10.1002/pol.1978.170160209 |
| 118. | Graft copolymerization of methyl acrylate onto gelatin | Nagabhushanam, T.; Joseph, K. Thomas; Santappa, M. | Journal of Polymer Science - Polymer Chemistry Edition | 16 | 12 | 3287-3292 | 1978 | |
| 119. | Modification of nitrocellulose by graft copolymerization | Sudhakar, D; Srinivasan, KSV; Joseph, K Thomas; Santappa, M | Journal of Polymer Science: Polymer Letters Edition | 16 | 9 | 457-459 | 1978 | 10.1002/pol.1978.130160904 |
| 120. | Aromatic polyamide fibres | Reddy, B. Sivarami; Ganga, R.; Joseph, K. T.; Santappa, M. | Journal of Scientific & Industrial Research | 37 | 10 | 513-518 | 1978 | |
| 121. | Kinetics of oxidation of some of aldoximes by Thallium III acetate. Part II. | Balakrishnan, T.; Santappa, M. | Journal of the Indian Chemical Society | IV | | 1014 | 1978 | |
| 122. | Some new trans-bis (dimethyl glyoximato) | Vijayaraghavan, V. R.; Thilliachidambar; Raghavan, A.; Santappa, M. | Journal of the Indian Chemical Society | IV | | 532 | 1978 | |
| 123. | Factors influencing the production cellular acid proteinase by Aspergillus fumigatus FRESIMI No. 215396 | Panirselvam, M; Dhar, SC; Santappa, M | Leather Science | 25 | 12 | 499-508 | 1978 | |
| 124. | Grafting of vinyl monomers onto poly (Vinylchloride-co-vinyl acetate) | D. Sudhakar; K. S. V. Srinivasan; K. Thomas Joseph; M. Santappa | Leather Science | 25 | 12 | 517 | 1978 | |
| 125. | Lacquers based on cellulose esters for leather industry | K. G. Ananda Dev; T. J. Devassy; M. A. | Leather Science | 25 | 11 | 480 | 1978 | |

| | | | | | | | | |
|------|---|--|-----------------|----|----|---------|------|--|
| | | Ghani; M. Santappa | | | | | | |
| 126. | Influence of different tanning systems on the characteristics of leathers | R. Rajaraman; S. Poorneswari; S. Bangaruswamy; J. B. Rao; M. Santappa | Leather Science | 25 | 9 | 394 | 1978 | |
| 127. | Physical properties of vegetable tannins | G. Swaminathan; Y. Margaret Therasa; C. Koteswara Rao; M. Santappa | Leather Science | 25 | 8 | 348 | 1978 | |
| 128. | Studies on casuarina (Casuarina equisetifolia): Part I- Isolation and characterisation of alicycle acids, polyols and amino acids from the different parts of casuarina | W. Madhusudanama; K. N. S. Sastry; K. K. Reddy; M. Santappa | Leather Science | 25 | 8 | 369 | 1978 | |
| 129. | Fungal lipase and its use in degreasing sheep skins | K. Yeshodha; S. C. Dhar; M. Santappa | Leather Science | 25 | 6 | 267-273 | 1978 | |
| 130. | Studies on rate of silica tannage as a function of pH | V. Rama Mohan Rao; R. Selvarangan; M. Santappa | Leather Science | 25 | 6 | 274 | 1978 | |
| 131. | Influence of various carbon, nitrogen and mineral sources on growth and production of fungal tannase by A. Flavus and A. Oryzae | G. Suseela; S. C. Nandy; M. Santappa | Leather Science | 25 | 5 | 227 | 1978 | |
| 132. | Fire-mark-A common defect in Indian goat and sheep skins | R. Venkatesan; M. Sugumar; S. Nedunchellian; S. C. Nandy; M. Santappa | Leather Science | 25 | 4 | 187-202 | 1978 | |
| 133. | Effects of environmental factors on the production of fungal tannase-Part II | P. S. Ganga; Suseela G; S. C. Nandy; M. Santappa | Leather Science | 25 | 4 | 203 | 1978 | |
| 134. | Blood meal-Its processing and utilisation | S. Divakaran; K. J. Scaria; M. Santappa | Leather Science | 25 | 3 | 127 | 1978 | |
| 135. | Studies on the degreasing of skins using a microbial lipase | K. Yeshodha; S. C. Dhar; M. Santappa | Leather Science | 25 | 2 | 77-86 | 1978 | |
| 136. | Matching modeurop fashion colours for leather (Spring-Summer 1977-78)-Part II | R. Venkatachalapaty; N. S. K. Srinivasan; M. A. Ghani; K. T. Sarkar; M. Santappa | Leather Science | 25 | 2 | 87 | 1978 | |
| 137. | A comparative study on certain unhairing system using jawasee protease, microbial protease and lime on the quality of the finished leathers | K. Yeshodha; S. C. Dhar; M. Santappa | Leather Science | 25 | 1 | 36-45 | 1978 | |
| 138. | Specificity and essential groups in Alhagain | Yeshoda, K; Dhar, SC; Santappa, M | Leather Science | 25 | | 68-76 | 1978 | |
| 139. | Studies on poly (acrylonitrile-co-vinylpyrrolidone) | Radhakrishnan, Ganga; Srinivasan, | Current Science | 46 | 10 | 333-334 | 1977 | |

| | | | | | | | | |
|------|---|--|--|-----|----|-----------|------|------------------------------|
| | | KSV; Santappa, M | | | | | | |
| 140. | A comparison of the absolute reactivity of monomers, 1. Kinetic study of radical polymerization of acrylamide and methacrylamide, initiated by manganese(III) acetate | Elayaperumal, P.; Balakrishnan, T.; Santappa, M. | Die Makromolekulare Chemie | 178 | 8 | 2271–2273 | 1977 | |
| 141. | Mechanism of the polymerization of acrylamide initiated by the glycerol/Ce(IV) redox system | Rout, Swoyam P.; Rout, Anuradha; Mallick, N.; Singh, Baishnab C.; Santappa, M. | Die Makromolekulare Chemie | 178 | 7 | 1971–1977 | 1977 | |
| 142. | Ceric ion-initiated polymerization of acrylonitrile in the presence of polyols | Rout, Anuradha; Rout, Swoyam P.; Singh, Baishnab C.; Santappa, M. | Die Makromolekulare Chemie | 178 | 3 | 639–648 | 1977 | |
| 143. | Solution properties of poly (butyl methacrylate-co-acrylonitrile) | Arulsamy, SM; Santappa, M | Die Makromolekulare Chemie: Macromolecular Chemistry and Physics | 178 | 8 | 2451-2459 | 1977 | |
| 144. | Polymerization of acrylonitrile initiated by Ce4+/thiourea system | Rout A., Rout S.P., Singh B.C., Santappa M. | European Polymer Journal | 13 | 6 | 497-499 | 1977 | 10.1016/0014-3057(77)90133-1 |
| 145. | Kinetics and mechanism of the action of 4 - tertiary butyl enolformaldehyde using alkali catalysts. Part I. | Reddy, B. Sivarami; Rajadurai, S.; Santappa, M. | Indian Journal of Chemistry - Section A | 15A | 5 | 424–427 | 1977 | |
| 146. | Spectrophotometric Studies of 2-Methylol-4-tertiary-butylphenol-Fe (III) Complex | Reddy, B; Rajadurai, S; Santappa, M | Indian Journal of Chemistry - Section A | 15A | 3 | 255-256 | 1977 | |
| 147. | The isolation of two facultatively Anaerobic organisms producing collagenase | Rao, R. Sambasiva; Nandy, S. C.; Santappa, M. | Indian Journal of Experimental Biology | 8 | | 728–731 | 1977 | |
| 148. | Studies on the physico-chemical properties of alhagain | Yeshoda, K.; Dhar, S. C.; Santappa, M. | Italian Journal of Biochemistry | 26 | 3 | 181–201 | 1977 | |
| 149. | Isolation and purification of alhagain - a neutral protease from Jawasee [Alhagi Pseud-Alhagi (M.B.) DESV] | Yeshodha K., Dhar S.C., Santappa M. | Italian Journal of Biochemistry | 26 | 3 | 169-180 | 1977 | |
| 150. | Equilibrium studies of mixed-ligand complexes of uranyl ion with amino acids and carboxylic acids in aqueous solution | Selvaraj P.V., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 39 | 1 | 119-122 | 1977 | 10.1016/0022-1902(77)80444-2 |
| 151. | Dilute Solution Properties of Poly(methacrylonitrile-co-styrene) and Poly(acrylonitrile-co-styrene) | Venkataramana reddy G., Srinivasan K.S.V., Santappa M. | Journal of Macromolecular Science: Part A - Chemistry | 11 | 11 | 2123-2141 | 1977 | 10.1080/00222337708061353 |
| 152. | Polymerization of Vinyl Monomers Initiated by Chromic Acid-Glycerol Redox System | Rout A., Rout S.P., Singh B.C., Santappa M. | Journal of Macromolecular Science: Part A - Chemistry | 11 | 5 | 957-965 | 1977 | 10.1080/00222337708061300 |

| | | | | | | | | |
|------|---|--|--|----|----|-------------|------|--|
| 153. | Polymides-a review | Reddy, B Sivarami; Rajadurai, S; Santappa, M | Journal of Scientific & Industrial Research | 35 | | 668-675 | 1977 | |
| 154. | Polyimides: A review | Siva Rami Reddy B., Rajadurai S., Santappa M. | Journal of Scientific & Industrial Research | 35 | | 668-675 | 1977 | |
| 155. | Powder coatings retrospect and prospects | Kulasekaran, S.; Rajadurai, S.; Santappa, M. | Journal of Scientific & Industrial Research | 6 | | 223– 226 | 1977 | |
| 156. | Relationship between physical and chemical characteristics of getable tanned sole leathers of indian origin | Reddy, G. Gangi; Swamy, M. P.; Bangaruswamy, S.; Rao, J. B.; Santappa, M. | Journal of the Society of Leather Technologies and Chemists | 61 | | 132– 134 | 1977 | |
| 157. | Treatment and disposal of tannery effluents by polymeric scavengers | B. Siva Rami Reddy; S. Rajadurai; S. Kulasekaran; C. Rami Reddy; K. T. Joseph; M. Santappa | Leather Science | 24 | 11 | 378-384 | 1977 | |
| 158. | Survey of incidence of various surface defects in goat and sheep skins in Madras | R. A. Venkatesan; S. C. Nandy; M. Sugumar; M. Santappa | Leather Science | 24 | 8 | 255-265 | 1977 | |
| 159. | Epidermoid cyst in sheep skins | R. A. Venkatesan; S. C. Nandy; M. Santappa | Leather Science | 24 | 8 | 276 | 1977 | |
| 160. | Caprine foetal infection by demodex maugemites | R. A. Venkatesan; M. Sugumar; S. Nedunchellian; S. C. Nandy; M. Santappa | Leather Science | 24 | 8 | 279 | 1977 | |
| 161. | Studies on sal (Shorea robusta) seeds - Part II. Isolation and identification of polyphenolic constituents present in sal seeds | K. K. Reddy; T. Vijayaramayya; V. S. Sundara Rao; K. N. S. Sastry; M. Santappa | Leather Science | 24 | 7 | 243 | 1977 | |
| 162. | Mammalian intestines- A versatile material | Mahendra Kumar; K. J. Scaria; S. K. Barat; M. Santappa | Leather Science | 24 | 6 | 191-198 | 1977 | |
| 163. | Studies on silica tannage | V. Rama Mohan Rao; R. Selvarangan; M. Santappa | Leather Science | 24 | 6 | 210 | 1977 | |
| 164. | A comparative study on the physical and chemical characteristics of northern and southern Indian B. T. buffalo hides | G. Gangi Reddy; M. P. Samy; S. Bangaruswamy; J. B. Rao; M. Santappa | Leather Science | 24 | 3 | 91-94 | 1977 | |
| 165. | Note on the tannins of velikathan (Prosopis juliflora, D. C) | Y. Margaret Theresa; Mahadeswara Swamy; M. Santappa; Y. Nayudamma | Leather Science | 24 | 3 | 115-118 | 1977 | |
| 166. | Sulphited oils fatliquors from vegetable oils | K. Vijayalakshmi; D. Raghunatha Rao; V. V. Muralidhara | Leather Science | 24 | 3 | 117 | 1977 | |

| | | | | | | | | |
|------|--|---|--|-----|---|---------------|------|-------------------------------|
| | | Rao; M. A. Ghani; M. Santappa | | | | | | |
| 167. | Effect of environmental factors on production of the fungal tannase: Part I. | Ganga, PS; Nandy, SC; Santappa, M | Leather Science | 24 | 1 | 1-8 | 1977 | |
| 168. | Skin hydrolysis by two newly isolated facultatively anaerobic organism | R. Sambasiva Rao; S. C. Nandy; M. Santappa | Leather Science | 24 | 1 | 1-6 | 1977 | |
| 169. | Note on tanning studies with sal seed (Shorea robusta) meal tanning | P. Sambasiva Rao; Y. Margaret Theresa; C. Koteswara Rao; M. Santappa | Leather Science | 24 | 1 | 24 | 1977 | |
| 170. | Synthesis of poly 2,2 bis[4(p-aminophenoxy) phenyl] propane-terephthalic acid | Nanjan M.J., Balasubramania m M., Srinivasan K.S.V., Santappa M. | Polymer | 18 | 4 | 411-412 | 1977 | 10.1016/0032-3861(77)90093-3 |
| 171. | Vinyl polymerisation of acrylonitrile by the vanadium(V)-glycerol redox system | Rout, Anuradha; Singh, Baishnab C.; Santappa, M. | Die Makromolekulare Chemie | 177 | 9 | 2709– 2719 | 1976 | |
| 172. | Kinetics of self decomposition of peroxydiphosphate in aqueous ric acid medium | Maruthamuthu, P.; Santappa, M. | Indian Journal of Chemistry - Section A | 14A | 1 | 35–38 | 1976 | |
| 173. | Studies on growth response of broiler chicken to frog meal as a substitute to fish meal | Rao, N Muralidhara; Padmabai, R; Narasimhan, K; Joseph, KT; Santappa, M; Nayudamma, Y | Indian Journal of Poultry Science | 11 | 2 | 102 | 1976 | |
| 174. | Kinetics of oxidation of hexacyanoferrate(II) by peroxodiphosphate | Maruthamuthu P., Santappa M. | Inorganica Chimica Acta | 16 | C | 35-39 | 1976 | 10.1016/S0020-1693(00)91688-8 |
| 175. | Need for high level technology for leather industry | Lakshminarayana, N; Olivannan, MS; Rao, JB; Santappa, M | Journal of Indian Leather Technologists Association | 36 | | 351-359 | 1976 | |
| 176. | Equilibrium studies of mixed-ligand complexes of uranyl ion with carboxylic acids in aqueous solution | Selvaraj P.V., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 38 | 4 | 837-841 | 1976 | 10.1016/0022-1902(76)80367-3 |
| 177. | A new initiator for polymerization. Photopolymerization of vinyl monomers using cu(II)-amino acid chelates | Natarajan, P.; Chandrasekaran, K.; Santappa, M. | Journal of Polymer Science - Polymer Letters Edition | 14 | 8 | 455– 458 | 1976 | |
| 178. | Interaction of poly(vinyl alcohol), boric acid, and iodine | Vasudevan, T.; Balakrishnan, T.; Kothandarman, H.; Santappa, M. | Journal of Polymer Science: Polymer Chemistry Edition | 14 | 9 | 2319– 2320 | 1976 | |
| 179. | Modification of gelatin with poly (ethyl acrylate) | Nagabhushana m, T; Santappa, M | Journal of Polymer Science: Polymer Chemistry Edition | 14 | 2 | 507-510 | 1976 | |
| 180. | Polyurethane aqueous systems | Saikumar, C; Kulasekaran, S; Rajadurai, S; Santappa, M | Journal of Scientific & Industrial Research | 35 | | 538-542 | 1976 | |

| | | | | | | | | |
|------|--|--|---|----|----|-----------|------|------------------------------|
| 181. | Factors affecting the extraction of protease from jawasee (<i>Alhagi pseudalhgi</i> (Dieb) desysyn a caelorumfisch) | K. Yeshodha; S. C. Dhar; M. Santappa | Leather Science | 23 | 12 | 423 | 1976 | |
| 182. | Tannins from Sal seed (<i>Shorea robusta</i>) de-oiled meal | Y. Margaret Theresa; Y. Nayudamma; C. Koteswara Rao; M. Santappa | Leather Science | 23 | 12 | 446 | 1976 | |
| 183. | Studies on grafting of acrylonitrile onto casein | S. Kulasekaran; Y. Lakshminarayana; S. Rajadurai; K. T. Joseph; M. Santappa | Leather Science | 23 | 11 | 385-391 | 1976 | |
| 184. | Studies on sal (<i>Shorea robusta</i>) seeds | K. K. Reddy; T. Vijayaramayya; V. S. Sundara Rao; K. N. S. Sastry; M. Santappa | Leather Science | 23 | 11 | 403 | 1976 | |
| 185. | Hydrolytic action of some anaerobic strains of the genus <i>Clostridium</i> on raw skin | R. Sambasiva Rao; S. C. Nandy; M. Santappa | Leather Science | 23 | 8 | 263 | 1976 | |
| 186. | Screen and block printed leathers with improved brightness and fastness properties | D. H. Kamat; T. S. Ranganathan; K. S. Jayaraman; M. Santappa | Leather Science | 23 | 5 | 175 | 1976 | |
| 187. | Hydrolytic action of facultatively anaerobic microorganisms on raw skins | R. Sambasiva Rao; S. C. Nandy; M. Santappa | Leather Science | 23 | 2 | 45-59 | 1976 | |
| 188. | Studies on the graft copolymerisation of methyl methacrylate and acrylonitrile onto casein | S. Valliappan; S. Kulasekaran; S. Rajadurai; K. T. Joseph; M. Santappa | Leather Science | 23 | 2 | 57 | 1976 | |
| 189. | Polymeric binders for plate finish and glaze finish | K. Venkatachalapati; T. Nagabhushanam; K. Parthasarathy; M. Santappa | Leather Science | 23 | 2 | 70 | 1976 | |
| 190. | Preparation and constitution of a syntan based on para tertiary butyl phenolic novolac | B. Siva Rami Reddy; S. Rajadurai; M. Santappa | Leather Science | 23 | 1 | 12-16 | 1976 | |
| 191. | Factors affecting the extraction of from Jawasee | Yesodha, K; Dhar, SC; Santappa, M | Leather Science | 23 | | 423-432 | 1976 | |
| 192. | Studies on the preparation and use in acrylic graft copolymers as glaze for leather | Vallippan, S; Rajadurai, S; Santappa, M | Leather Science | 22 | | 1-9 | 1976 | |
| 193. | Defects in hides and skins that affect assessment | Nandy, S. C.; Santappa, M. | ISI Bulletin | 28 | 5 | 211-213 | 1976 | |
| 194. | Grafting on to poly(vinyl alcohol): a new spectral method to estimate the extent of grafting | Vasudevan T., Kothandaraman H., Santappa M. | Polymer | 17 | 12 | 1108-1110 | 1976 | 10.1016/0032-3861(76)90017-3 |
| 195. | Purification and properties of a neutral proteinase isolated from goat skin | Sivaparvathi M., Nandy S.C., Dhar S.C., Santappa M. | Indian Journal of Biochemistry and Biophysics | 12 | 4 | 321-325 | 1975 | |

| | | | | | | | | |
|------|---|---|--|----|----|-----------|------|------------------------------|
| 196. | Equilibrium studies of mixed-ligand complexes of uranyl ion with mono- and dicarboxylic acids in aqueous solution | Balakrishnan M.S., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 37 | 5 | 1229-1234 | 1975 | 10.1016/0022-1902(75)80474-X |
| 197. | Ag ⁺ -catalysed water oxidation by peroxydiphosphate | Maruthamuthu P., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 37 | 5 | 1305-1306 | 1975 | 10.1016/0022-1902(75)80491-X |
| 198. | Finishing of leathers using easy-care finish | R. Vedarajan; C. Saikumar; S. Rajadurai; M. Santappa | Leather Science | 22 | 12 | 382 | 1975 | |
| 199. | 'Marble' leather from full chrome grain or suede leathers | A. C. Basappa; D. H. Kamat; K. T. Sarkar; M. Santappa | Leather Science | 22 | 12 | 383 | 1975 | |
| 200. | Manufacture of nappa garment leathers from E. I. Sheep skins | C. Chandrasekaran; R. Venkatachalapathy; R. Selvarangan; M. Santappa | Leather Science | 22 | 11 | 349 | 1975 | |
| 201. | Water soluble graft copolymers | K. Panduranga Rao; K. Thomas Joseph; M. Santappa; Y. Nayudamma | Leather Science | 22 | 11 | 351 | 1975 | |
| 202. | Chitosan, a new auxiliary in leather manufacture | K. Satish Babu; K. Panduranga Rao; K. T. Joseph; K. S. Jayaraman; M. Santappa; Y. Nayudamma | Leather Science | 22 | 8 | 224 | 1975 | |
| 203. | Oleophobic and hydrophobic properties of fluoro compounds and their application in leather making | T. Nagabhushanam; K. J. Kedlaya; D. Ramaswamy; M. Santappa | Leather Science | 22 | 8 | 229-234 | 1975 | |
| 204. | Treatment of leathers with silyl carboxylic acids | J. Ranga Rao; T. Nagabhushanam; M. Santappa | Leather Science | 22 | 8 | 244 | 1975 | |
| 205. | Silico acrylic finish | T. Nagabhushanam; M. Santappa | Leather Science | 22 | 6 | 181 | 1975 | |
| 206. | Synthesis of p-tertiarybutyl phenolic novolac | B. Siva Rami Reddy; S. Rajadurai; M. Santappa | Leather Science | 22 | 6 | 180 | 1975 | |
| 207. | Recent development in the field of auxiliaries for leather finishing in India and abroad | R. Vedarajan; R. Selvarangan; V. V. Subramaniam; M. Santappa | Leather Science | 22 | 5 | 129 | 1975 | |
| 208. | Phosphorylated gelatin-acrylate graft copolymers as flame proofing and fuming agents for leather | K. Panduranga Rao; K. Thomas Joseph; M. Santappa; Y. Nayudamma | Leather Science | 22 | 5 | 140 | 1975 | |
| 209. | Practice of 'Blending' for the manufacture of vegetable tanned leather | K. R. V. Thampuran; D. Ghosh; M. Santappa | Leather Science | 22 | 3 | 55-60 | 1975 | |
| 210. | A new source of oil fat for fatliquoring of leathers | K. Vijayalakshmi; V. Hari Babu; V. V. Muralidhara Rao; R. | Leather Science | 22 | 3 | 70 | 1975 | |

| | | | | | | | | |
|------|---|--|---|----|----|-----------|------|------------------------------|
| | | Selvarangan; M. Santappa | | | | | | |
| 211. | Synthetic adhesive based on copolymer system | T. Nagabhushana m; M. Santappa | Leather Science | 22 | 2 | 50 | 1975 | |
| 212. | Studies on the preparation and use of caseinacrylic graft copolymers as glaze finishes for leather | S. Velliappan; S. Rajadurai; M. Santappa | Leather Science | 22 | 1 | 1 | 1975 | |
| 213. | Acrylic syntan as leather impregnant | T. Nagabhushana m; K. J. Kedlaya; E. C. Mathew; B. Duraiswamy; M. Santappa | Leather Science | 22 | 1 | 15 | 1975 | |
| 214. | Through and through dyeing of wet chrome leathers | Kedlaya, KJ; Joseph, KT; Nagabushanam , T; Venkatechalem, PS; Santappa, M | Leather Science | 22 | | 61-64 | 1975 | |
| 215. | Synthesis of P. tertiary butyl-enolic novolae | Reddy, B; Rajadurai, S; Santappa, M | Leather Science | 22 | | 180-181 | 1975 | |
| 216. | Kinetics of oxidation ketones by γ -diphosphate | Maruthamuthu, P.; Santappa, M. | Indian Journal of Chemistry - Section A | 12 | | 142 | 1974 | |
| 217. | Quenching of fluorescence of nene-by- halide ions in water and ethanol | Nagabushanam , T.; Joseph, K. T.; Santappa, M. | Indian Journal of Chemistry - Section A | 12 | | 1205 | 1974 | |
| 218. | Ternary complexes: Equilibrium studies of mixed-ligand complexes of uranyl ion with dicarboxylic acids in aqueous solution | Balakrishnan M.S., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 36 | 12 | 3813-3818 | 1974 | 10.1016/0022-1902(74)80170-3 |
| 219. | Kinetics of the base hydrolysis and aquation of some trans-halogenoaminebis(dimethylglyoximate)-cobalt(III) complexes | Vijayaraghavan V.R., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 36 | 1 | 163-168 | 1974 | 10.1016/0022-1902(74)80675-5 |
| 220. | Light-induced graft copolymerization of vinyl monomers to collagen by use of benzophenone as sensitizer | Nagabhushana m, T; Joseph, KT; Santappa, M | Journal of Polymer Science: Polymer Chemistry Edition | 12 | 12 | 2953-2956 | 1974 | 10.1002/pol.1974.170121221 |
| 221. | Polymers and their role in leather | Pandurangarao, K; Joseph, KT; Nayudamma, Y; Santappa, M | Journal of Scientific & Industrial Research | 33 | | 243-257 | 1974 | |
| 222. | Thermoset leather finish | Nagabushanam , T; Kedlaya, KJ; Parthasarathy, K; Santappa, M | Leather Science | 21 | 12 | 403 | 1974 | |
| 223. | Photo-induced graft polymerization of methyl methacrylate onto collagen in the absence of photosensitizers using sunlight as a light source | Satishbabu, K; Pandurangarao, K; Joseph, KT; Santappa, M; Nayudamma, Y | Leather Science | 21 | 11 | 353-360 | 1974 | |
| 224. | Protein-acrylate graft copolymers for leather finishing | Satishbabu, K; Pandurangarao, K; Joseph, KT; Santappa, M; Parthasarathy, | Leather Science | 21 | 11 | 371-373 | 1974 | |

| | | | | | | | | |
|------|--|---|-----------------|----|----|---------|------|--|
| | | K; Nayudamma, Y | | | | | | |
| 225. | Intensification of the shade of dyed leather by the application of amphoteric fatliquor | R. Vedarajan; K. J. Kedlaya; S. Rajadurai; M. Santappa | Leather Science | 21 | 10 | 338 | 1974 | |
| 226. | Dye uptake of collagen grafted with poly (methyl methacrylate) | T. Nagabhushana m; K. T. Joseph; M. Santappa | Leather Science | 21 | 9 | 305-308 | 1974 | |
| 227. | Chrome fatty acid complexes-Shower proofing agents | E. C. Mathew; K. J. Kedlaya; M. Santappa; K. S. Jayaraman | Leather Science | 21 | 9 | 316 | 1974 | |
| 228. | Leather lubricants-Part VI: Studies on oil tanning | K. J. Kedlaya; E. C. Mathew; M. Santappa | Leather Science | 21 | 8 | 255-260 | 1974 | |
| 229. | Leather lubricants: Part V. liquouring properties of certain non-edible oils | Kedlaya, KJ; Mathew, EC; Santappa, M | Leather Science | 21 | 7 | 231-234 | 1974 | |
| 230. | Alginate for the production of softer type of leathers | K. J. Kedlaya; K. T. Joseph; S. N. Gupta; M. Santappa | Leather Science | 21 | 6 | 201-202 | 1974 | |
| 231. | Graft copolymerization of vinyl monomers onto collagen. Part III. Characterization of graft copolymers and the mechanism of graft copolymerization | Nagabushanam , T; Joseph, KT; Santappa, M | Leather Science | 21 | 6 | 192-196 | 1974 | |
| 232. | Easy care finishes based on polyurethane for leather - Part I. | Rajadural, S; Salkuma, C; Vedarajan, R; Kedlaya, KJ; Santappa, M | Leather Science | 21 | 5 | 171-172 | 1974 | |
| 233. | Achieving intense shade in semichrome suedes | K. J. Kedlaya; K. S. Jayaraman; M. Santappa | Leather Science | 21 | 4 | 147 | 1974 | |
| 234. | Properties of skins and leathers grafted with vinyl monomers and their mixtures | K. Panduranga Rao; D. H. Kamat; K. Thomas Joseph; M. Santappa; Y. Nayudamma | Leather Science | 21 | 4 | 111 | 1974 | |
| 235. | Phosphorus compounds in leather industry | Kedlaya, KJ; Santappa, M | Leather Science | 21 | 3 | 75-80 | 1974 | |
| 236. | Comparison of graft copolymers and physical blends | K. Panduranga Rao; K. Thomas Joseph; M. Santappa | Leather Science | 21 | 3 | 92 | 1974 | |
| 237. | White fatliquor based on coconut oil | K. J. Kedlaya; E. C. Mathew; M. Santappa | Leather Science | 21 | 2 | 51 | 1974 | |
| 238. | Dyeing of wet heat resistant leather chrome mordant dyes | Kedlaya, KJ; Santappa, M; Ranganathan, TS | Leather Science | 21 | 1 | 21 | 1974 | |
| 239. | Rubber seed oil as a potential tanning agent | Mathew, EC; Kendalaya, KJ; Santappa, M | Leather Science | 21 | 1 | 22 | 1974 | |
| 240. | Manganese initiated graft pymerization of vinyl monomers onto collagen | Satishbabu, K; Padurangarao, K; Joseph, KT; Santappa, M; Nayudamma, Y | Leather Science | 21 | | 261-271 | 1974 | |

| | | | | | | | | |
|------|---|--|--|----|----|-----------|------|------------------------------|
| 241. | Shark fish oil stearin-based fatliquor | Kedlaya, KJ; Mathew, EC; Rao, V Ranga; Santappa, M | Leather Science | 21 | | 237 | 1974 | |
| 242. | Fatliquor from deresinified pungam | Mathew, EC; Kedlaya, KJ; Rao, JB; Santappa, M | Leather Science | 21 | | 404 | 1974 | |
| 243. | Kinetics of oxidative hydrolysis of some oximes by metal ions | Meenakshi, A.; Muruthamathu, P.; Seshadri, K. V.; Santappa, M. | Indian Journal of Chemistry - Section A | 11 | | 608 | 1973 | |
| 244. | Oxidation studies involving T1 (III) | Meenakshi, A.; Santappa, M. | Indian Journal of Chemistry - Section A | 11 | | 393 | 1973 | |
| 245. | Complexes of uranyl ion with amino and mercapto acids | Raghavan A., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 35 | 9 | 3363-3365 | 1973 | 10.1016/0022-1902(73)80044-2 |
| 246. | Deprotonation constants of some trans-bis(dimethylglyoximate)cobalt(III) complexes | Vijayaraghavan V.R., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 35 | 8 | 3035-3038 | 1973 | 10.1016/0022-1902(73)80539-1 |
| 247. | Dilute solution properties and molecular characterization of poly(butyl methacrylate-co-styrene) | Srinivasan K.S.V., Santappa M. | Journal of Polymer Science: Polymer Physics Edition | 11 | 2 | 331-343 | 1973 | 10.1002/pol.1973.180110213 |
| 248. | Light induced graft copolymerization of vinyl monomers onto collagen: Part II: Sunlight induced graft copolymerization of methyl methacrylate using dyes as sensitizers | T. Nagabhushana m; K. T. Joseph; M. Santappa | Leather Science | 20 | 12 | 403 | 1973 | |
| 249. | A built-in lubricant for leather | K. J. Kedlaya; S. Rajadurai; M. Santappa | Leather Science | 20 | 10 | 355 | 1973 | |
| 250. | Graft copolymerization of vinyl monomers onto collagen-Part I; Phloxine sensitized graft copolymerization in the presence of visible light | Nagabhushanam T; Pandurangarao, K; Joseph, KT; Santappa, M | Leather Science | 20 | 9 | 303-306 | 1973 | |
| 251. | Poly(ethyl acrylate) in dilute solution | Srinivasan, K. S. V.; Santappa, M. | Polymer | 14 | 1 | 5-8 | 1973 | 10.1016/0032-3861(73)90071-2 |
| 252. | Equilibrium studies of mixed ligand complexes of uranyl ion aqueous solution | Selvaraj, P. V.; Santappa, M. | Current Science | 41 | 24 | 872-872 | 1972 | |
| 253. | Stability constants of mixed ligand complexes of uranyl ion with carboxylic acid | Balakrishnan, M. S.; Santappa, M. | Current Science | 41 | 5 | 174-176 | 1972 | |
| 254. | Kinetic of oxidation of water and pinacol by peroxydiphosphate | Maruthamuthu, P.; Seshadri, K. V.; Santappa, M. | Indian Journal of Chemistry - Section A | 10 | | 762 | 1972 | |
| 255. | Kinetics of hydrolysis of some phenyl-hydrogen succinates | Balakrishnan, T.; Seshadri, K. V.; Santappa, M. | Indian Journal of Chemistry - Section A | 10 | | 311-312 | 1972 | |
| 256. | Dye-sensitized photopolymerization of vinyl monomers in the presence of ascorbic | Nagabhushana m, T.; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 10 | 5 | 1511-1528 | 1972 | |

| | | | | | | | | |
|------|---|---|---|-----|----|-----------|------|------------------------------|
| | acid-sodium hydrogen orthophosphate complex | | | | | | | |
| 257. | Polymerization of N-vinylpyrrolidone photoinitiated by azidopentamminecobalt(III) chloride | Kothandaraman, H.; Srinivasan, K. S. V.; Santappa, M. | Journal of Polymer Science Part A: Polymer Chemistry | 10 | 12 | 3685–3687 | 1972 | |
| 258. | Co-ordination Chemistry of tetravalent and hexavalent Uranium | Ramamurthi, S.; Santappa, M. | Journal of Scientific & Industrial Research | 31 | | 69 | 1972 | |
| 259. | Heavy metal ion for polymerization and oxidation | Santappa, M. | Journal of Scientific & Industrial Research | 31 | | 577 | 1972 | |
| 260. | Effect of composition on solution properties of styrene-ethylacrylate copolymers | Srinivasan, K. S. V.; Santappa, M. | Journal of the Indian Chemical Society | 49 | | 1215 | 1972 | |
| 261. | Termination of ceric ion initiated vinyl polymerization by chromic acid | Viswanathan, S.; Santappa, M. | Die Angewandte Makromolekulare Chemie | 144 | 1 | 223–234 | 1971 | |
| 262. | Evaluation of stability constants of mixed ligand complexes pH trically | Ramamurthi, S.; Santappa, M. | Indian Journal of Chemistry - Section A | 9 | | 381–383 | 1971 | |
| 263. | Stability constants of complexes of uranyl ion with mixed carboxylic acids | Ramamoorthy S., Balakrishnan M.S., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 33 | 8 | 2713-2716 | 1971 | 10.1016/0022-1902(71)80260-9 |
| 264. | Stability constants in aqueous solution of complexes of uranyl ion with mixed dibasic acids-II | Ramamoorthy S., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 33 | 6 | 1775-1786 | 1971 | 10.1016/0022-1902(71)80615-2 |
| 265. | Complexometry of sodium hydrogen phosphate-citric acid (buffer)-ascorbic acid system | Balakrishnan M.S., Nagabooshana m T., Ramamoorthy S., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 33 | 3 | 881-885 | 1971 | 10.1016/0022-1902(71)80493-1 |
| 266. | Vinyl polymerization initiated by chromic acid-reducing agent systems | Viswanathan, S.; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 9 | 6 | 1685–1699 | 1971 | |
| 267. | Polymerization of acrylamide and acrylic acid photoinitiated by diazidotetramminecobalt (III) azide | Kothandaraman, H.; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 9 | 5 | 1351–1364 | 1971 | |
| 268. | Fox-Flory constant K obtained by viscometric measurements for poly(ethyl methacrylate) and poly(methyl methacrylate) systems | Vasudevan, Padma; Santappa, M. | Journal of Polymer Science Part A-2: Polymer Physics | 9 | 3 | 483–497 | 1971 | |
| 269. | Polymerization of methacrylamide photo initiated by trans diazidotetramminecobalt (III) azide | Kothandaraman, H.; Santappa, M. | Polymer Journal (Japan) | 2 | 2 | 148–152 | 1971 | |
| 270. | Vinyl polymerization - XI. Binary systems of poly (methyl methacrylate)/and poly (ethyl methacrylate)/solvdnt by phase separation | Vasudevan S.P., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 73 | 2 | 51-58 | 1971 | 10.1007/BF03047335 |

| | | | | | | | | |
|------|---|---|---|-----|----|-----------|------|------------------------------|
| 271. | Complexes of uranyl ion with some amino acid mercapto acids | Raghavan, A.; Santappa, M. | Current Science | 39 | 13 | 302–303 | 1970 | |
| 272. | Viscosities of dilute solutions of poly (methyl methacrylate) and poly (ethyl methacrylate) in organic solvents | Vasudevan, Padma; Santappa, M. | Die Makromolekulare Chemie | 137 | 1 | 261–275 | 1970 | |
| 273. | Pyronene-G-Sensitized photorization of vinyl monomers | Nagabhushana m, T.; Santappa, M. | Indian Journal of Chemistry - Section A | 8 | 11 | 1028–1030 | 1970 | |
| 274. | Kinetics of oxidation of diacetone alcohol by Co ³⁺ | Meenakshi, A.; Santappa, M. | Indian Journal of Chemistry - Section A | 8 | | 467 | 1970 | |
| 275. | Kinetics of oxidation of isopropyl alcohol, sorbitol, diglycollic acids and tetra hydrofura by V ⁵⁺ | Saccubai, S.; Santappa, M. | Indian Journal of Chemistry - Section A | 8 | | 533–536 | 1970 | |
| 276. | Oxidation by Co ³⁺ ions in aqueous acidic media | Meenakshi A., Santappa M. | Journal of Catalysis | 19 | 3 | 300-309 | 1970 | 10.1016/0021-9517(70)90251-4 |
| 277. | Stability constants in aqueous solution of complexes of uranyl ion with mixed dibasic acids | Ramamoorthy S., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 32 | 5 | 1623-1629 | 1970 | 10.1016/0022-1902(70)80652-2 |
| 278. | Photosensitization of vinyl polymerization by uranyl ions | Venkatarao, K.; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 8 | 12 | 3429–3433 | 1970 | |
| 279. | Molecular weight distribution in polyacrylamide prepared by photochemical method | Venkatarao, K.; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 8 | 7 | 1788–1792 | 1970 | |
| 280. | Vinyl Polymerisation - X. The ternary system: Polymer Fraction 1/Fraction 2/Solvent | Vasudevan P., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 72 | 6 | 279-284 | 1970 | 10.1007/BF03049720 |
| 281. | Oxidation studies - VIII. Oxidation of some carboxylic acids by peroxydisulphate catalysed by metal ions | Padma S., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 71 | 4 | 189-199 | 1970 | 10.1007/BF03049542 |
| 282. | Vinyl Polymerization - IX. Polymerization of acrylonitrile by V ⁵⁺ + Pinacol redox system | Saccubai S., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 71 | 3 | 111-118 | 1970 | 10.1007/BF03049524 |
| 283. | Stability constants of some uranyl complexes. II | Ramamoorthy, S.; Santappa, M. | Bulletin of the Chemical Society of Japan | 42 | 2 | 411–416 | 1969 | |
| 284. | Oxidation of alcohols by aqueous ceric ions in perchloric acid | Rangaswamy, M.; Santappa, M. | Indian Journal of Chemistry - Section A | 7 | | 473 | 1969 | |
| 285. | Complexes of uranyl ion with butyric and isobutyric acids | Ramamoorthy S., Raghavan A., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 31 | 6 | 1765-1769 | 1969 | 10.1016/0022-1902(69)80394-5 |
| 286. | Spectrophotometric studies on complexes of Cu ²⁺ and UO ₂ ²⁺ ions | Ramamoorthy S., Raghavan A., Vijayaraghavan V.R., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 31 | 6 | 1851-1857 | 1969 | 10.1016/0022-1902(69)80406-9 |
| 287. | Vinyl polymerization photosensitized by anthraquinone sulfonates in aqueous solutions | Anwaruddin, Q.; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 7 | 5 | 1315–1330 | 1969 | |
| 288. | Polymerization of acrylonitrile by V ⁵⁺ | Saccubai, S.; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 7 | 2 | 643–656 | 1969 | |

| | | | | | | | | |
|------|--|------------------------------------|---|-----|--------|-----------|------|------------------------------|
| | lactic acid system in aqueous sulfuric acid | | | | | | | |
| 289. | Oxidation of some carboxylic acids by aqueous cobaltic sulphate | Jijie, K.; Meenakshi; Santappa, M. | Kinetika I Kataliz | X | | 740 | 1969 | |
| 290. | Vinyl polymerization - VIII. Photopolymerization of vinyl monomers by azidopentamminecobalt (III) chloride | Santappa M., Natarajan L.V. | Proceedings of the Indian Academy of Sciences - Section A | 69 | 5 | 284-290 | 1969 | 10.1007/BF03047312 |
| 291. | Oxidation studies-VII - Oxidation of hydrazine sulphate and hydroxylamine by cobalt (III) | Jijee K., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 69 | 3 | 117-128 | 1969 | 10.1007/BF03047304 |
| 292. | Oxidation studies-VI - Oxidation of some mono- and Di-basic acids by peroxy disulphate | Padma S., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 69 | 1 | 7-17 | 1969 | 10.1007/BF03047276 |
| 293. | Quenching of Fluorescence of Uranyl Ions by Organic Substrates | Venkatarao K., Santappa M. | Zeitschrift fur Physikalische Chemie | 66 | 04-Jun | 308-316 | 1969 | 10.1524/zpch.1969.66.4_6.308 |
| 294. | Oxidation of aldehydes by aqueous ceric ions in perchloric acid | Rangaswamy, M.; Santappa, M. | Acta Chimica Academiae Scientiarum Hungaricae | 56 | | 413 | 1968 | |
| 295. | Stability constants of some uranyl complexes | Ramamoorthy, S.; Santappa, M. | Bulletin of the Chemical Society of Japan | 41 | 6 | 1330-1333 | 1968 | |
| 296. | Complexes of uranyl ion with various carboxylic acids | Ramamoorthy, S.; Santappa, M. | Current Science | 37 | 14 | 403-404 | 1968 | |
| 297. | Polymerisation of acrylonitrile by Vanuremath⁵+ Vanuremath</sup>/cyclohexanol-redox system | Saccubai, S.; Santappa, M. | Die Makromolekulare Chemie | 117 | 1 | 50-60 | 1968 | |
| 298. | Ceric ion-reducing agent redox initiated vinyl polymerisation | Subramanian, S. V.; Santappa, M. | Die Makromolekulare Chemie | 112 | 1 | 1-15 | 1968 | |
| 299. | Polyethylmethacrylate in dilute solution | Karunakaran, K.; Santappa, M. | Die Makromolekulare Chemie | 111 | 1 | 20-35 | 1968 | |
| 300. | Oxidation of pyruvic acid by Cobalt (III) | Jijie, K.; Santappa, M. | Indian Journal of Chemistry - Section A | 6 | 5 | 262-264 | 1968 | |
| 301. | Spectrophotometric investigation of complexes involving Cu ⁺⁺ and some carboxylic acids | Ramamoorthy S., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 30 | 9 | 2393-2402 | 1968 | 10.1016/0022-1902(68)80249-0 |
| 302. | Spectrophotometric studies on complexes of Cu ⁺⁺ with malic and itaconic acids | Ramamoorthy S., Santappa M. | Journal of Inorganic and Nuclear Chemistry | 30 | 7 | 1855-1863 | 1968 | 10.1016/0022-1902(68)80361-6 |
| 303. | Polymerization of acrylamide and methacrylamide photoinitiated by azidopentamminecobalt(III) chloride | Natarajan, L. V.; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 6 | 12 | 3245-3257 | 1968 | |
| 304. | Vinyl polymerization initiated by ceric ion reducing agent systems in sulfuric acid medium | Subramanian, S. V.; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 6 | 3 | 493-504 | 1968 | |

| | | | | | | | | |
|------|---|-------------------------------------|---|----|--------|-----------|------|------------------------------|
| 305. | Graft polymers from poly(vinyl chloride) and chlorinated rubber | Rao, S. Prabhakara; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 6 | 1 | 95-107 | 1968 | |
| 306. | Termination of vinyl polymerization involving Cr^{VI} | Viswanathan, S.; Santappa, M. | Journal of Polymer Science - Part B: Polymer Letters | 6 | 9 | 629-633 | 1968 | |
| 307. | Solution properties of poly(methyl acrylate) and (1:1) poly(styrene-co-methyl acrylate) | Karunakaran, K.; Santappa, M. | Journal of Polymer Science Part A-2: Polymer Physics | 6 | 4 | 713-721 | 1968 | |
| 308. | Vinyl polymerisation - VII. Polymerisation of acrylamide photoinitiated by anthraquinone sulphonates | Santappa M., Anwaruddin Q. | Proceedings of the Indian Academy of Sciences - Section A | 68 | 4 | 186-194 | 1968 | 10.1007/BF03049419 |
| 309. | Oxidation studies V - Oxidation of light and heavy water by peroxydisulphate | Padma S., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 68 | 1 | 47-52 | 1968 | 10.1007/BF03047686 |
| 310. | Vinyl polymerization - VI. Dilute solution properties of 1:1 Poly(styrene-co-ethylmethacrylate) | Karunakaran K., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 67 | 4 | 175-183 | 1968 | 10.1007/BF03049935 |
| 311. | Oxidation studies - IV. Kinetics of oxidation of HCHO and some alcohols by ceric salts in HNO ₃ medium | Santappa M., Sethuram B. | Proceedings of the Indian Academy of Sciences - Section A | 67 | 2 | 78-89 | 1968 | 10.1007/BF03049835 |
| 312. | Oxidation of Some Dicarboxylic Acids by Aqueous Cobaltic Perchlorate | Jijie K., Meenakshi A., Santappa M. | Zeitschrift fur Physikalische Chemie | 59 | 01-Apr | 206-216 | 1968 | 10.1524/zpch.1968.59.1_4.206 |
| 313. | Photo oxidation of iso propanol by uranyl perchlorate in aqueous acid medium | Venkatarao, K.; Santappa, M. | Indian Journal of Chemistry - Section A | 5 | 7 | 304-306 | 1967 | |
| 314. | Graft polymers: chain transfer and branching | Rao, S. Prabhakara; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 5 | 10 | 2681-2691 | 1967 | |
| 315. | Uranyl ion-sensitized polymerization of acrylamide and methacrylamide in aqueous solution | Venkatarao, K.; Santappa, M. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 5 | 3 | 637-649 | 1967 | |
| 316. | Anthraquinone sulfonates as photoinitiators of vinyl polymerization | Anwaruddin, Q.; Santappa, M. | Journal of Polymer Science - Part B: Polymer Letters | 5 | 5 | 361-365 | 1967 | |
| 317. | Photoinitiation of vinyl polymerization by azido pentaamine cobaltic chloride | Natarajan, L. V.; Santappa, M. | Journal of Polymer Science - Part B: Polymer Letters | 5 | 5 | 357-360 | 1967 | |
| 318. | Syntheses, characterization and application of graft and block polymers | Rao, S. Prabhakara; Santappa, M. | Journal of Scientific & Industrial Research | 26 | | 76 | 1967 | |
| 319. | Vinyl polymerization - V. Synthesis of graft polymers from brominated poly(styrene) | Prabhakara Rao S., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 66 | 5 | 287-299 | 1967 | 10.1007/BF03049466 |
| 320. | Oxidation studies-III - Oxidation of ketone by ceric ions in perchloric acid | Rangaswamy M., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 66 | 3 | 174-183 | 1967 | 10.1007/BF03049458 |

| | | | | | | | | |
|------|---|--|---|----|--------|-----------|------|------------------------------|
| 321. | Oxidation studies - II. Oxidation of water and tertiary alcohols by cobaltic ions | Jijee K., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 65 | 3 | 155-169 | 1967 | 10.1007/BF03049527 |
| 322. | Vinyl polymerization - IV. Co ³⁺ -tert. butylalcohol red-ox system | Jijee K., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 65 | 2 | 124-135 | 1967 | 10.1007/BF03047539 |
| 323. | Photochemical Oxidation of Aliphatic Aldehydes by Uranyl Ions | Venkatarao K., Santappa M. | Zeitschrift fur Physikalische Chemie | 54 | 01-Feb | 101-109 | 1967 | 10.1524/zpch.1967.54.1_2.101 |
| 324. | Uranyl ion-itaconic acid complex | Ramamoorthy, S.; Santappa, M. | Current Science | 35 | 6 | 145-146 | 1966 | |
| 325. | Vinyl polymerization by cobaltic ions in aqueous solution. Part II. Polymerization of acrylonitrile and methyl acrylate | Jijee, K.; Santappa, M.; Mahadevan, V. | Journal of Polymer Science - Part A-1: Polymer Chemistry | 4 | 2 | 393-406 | 1966 | |
| 326. | Oxidation studies - I. Oxidation of primary alcohols by peroxydisulfate | Subbaraman L.R., Santappa M. | Proceedings of the Indian Academy of Sciences - Section A | 64 | 6 | 345-358 | 1966 | 10.1007/BF03047523 |
| 327. | Vinyl polymerization - III. Polymerization of acrylamide initiated by cobaltic ions in aqueous solution | Santappa M., Mahadevan V., Jijee K. | Proceedings of the Indian Academy of Sciences - Section A | 64 | 3 | 128-140 | 1966 | 10.1007/BF03049382 |
| 328. | Oxidation Studies by Peroxydisulfate:II. Aldehydes and Ketones | Subbaraman L.R., Santappa M. | Zeitschrift fur Physikalische Chemie | 48 | 03-Apr | 172-178 | 1966 | 10.1524/zpch.1966.48.3_4.172 |
| 329. | Oxidation Studies by Peroxydisulfate I. Secondary and Tertiary Alcohols | Subbaraman L.R., Santappa M. | Zeitschrift fur Physikalische Chemie | 48 | 03-Apr | 163-171 | 1966 | 10.1524/zpch.1966.48.3_4.163 |
| 330. | Oxidation of n-butanol by ceric ions in aqueous solution | Rangaswamy, M.; Santappa, M. | Current Science | 34 | 9 | 282-283 | 1965 | |
| 331. | Kinetics of vinyl polymerization initiated by ceric ion in aqueous solution | Ananthanarayanan V.S., Santappa M. | Journal of Applied Polymer Science | 9 | 7 | 2437-2449 | 1965 | 10.1002/app.1965.070090708 |
| 332. | Dye-sensitized polymerization of vinyl monomers in aqueous solution | Sheriff, A. I.; Santappa, M. | Journal of Polymer Science - Part A: General Papers | 3 | 9 | 3131-3146 | 1965 | |
| 333. | Polymerization of vinyl monomers - II. Ceric-formaldehyde redox system | Santappa M., Ananthanarayanan V.S. | Proceedings of the Indian Academy of Sciences - Section A | 62 | 3 | 150-158 | 1965 | 10.1007/BF03047469 |
| 334. | Polymerization of vinyl monomers - I. Dye-reducing agent photosensitizing systems | Santappa M., Sheriff A.I.Md. | Proceedings of the Indian Academy of Sciences - Section A | 62 | 1 | 56-66 | 1965 | 10.1007/BF03047464 |
| 335. | Photochemical oxidation of formaldehyde by uranyl ions [U(VI)] in aqueous solution | Rao, K. Venkata; Santappa, M. | Current Science | 33 | 23 | 709-710 | 1964 | |
| 336. | Polymerization of vinyl monomers initiated by ions | Ananthanarayanan, V. S.; Santappa, M. | Indian Journal of Chemistry - Section A | 2 | | 330 | 1964 | |
| 337. | Syntheses of polymethylphenols and their derivatives. I | Dakshinamurthy, H.; Santappa, M. | Journal of Organic Chemistry | 27 | 5 | 1839-1842 | 1962 | |
| 338. | o-Phenol Methylols-Ferric Iron Complex Formation. II. | Dakshinamurthy H., Santappa M. | Journal of Organic Chemistry | 27 | 5 | 1842-1844 | 1962 | 10.1021/jo01052a088 |

| | | | | | | | | |
|------|---|-------------------------------------|---|------|--------|-----------|------|------------------------------|
| 339. | Reactions between Polymethylphenols and Formaldehyde: Kinetic Study. III | Dakshinamurthy H., Santappa M. | Journal of Organic Chemistry | 27 | 5 | 1844-1847 | 1962 | 10.1021/jo01052a089 |
| 340. | Polymerization of styrene and methyl methacrylate in solution | Gopalan, M. R.; Santappa, M. | Die Makromolekulare Chemie | 50 | 1 | 83-97 | 1961 | |
| 341. | Vinyl polymerization photosensitized by uranyl ions | Mahadevan, V.; Santappa, M. | Journal of Polymer Science | 50 | 154 | 361-378 | 1961 | |
| 342. | Rates of initiation in the polymerization of vinyl monomers | Gopalan, M. R.; Santappa, M. | Journal of Scientific & Industrial Research | 20A | 2 | 87-92 | 1961 | |
| 343. | Thermal polymerisation of methyl acrylate initiated by ceric ions in aqueous solution | Venkatakrisshna n, S.; Santappa, M. | Die Makromolekulare Chemie | 27 | 1 | 51-60 | 1958 | |
| 344. | Viscometric behaviour of polymethyl acrylate in some solvents | Srinivasan, N. T.; Santappa, M. | Die Makromolekulare Chemie | 27 | 1 | 61-68 | 1958 | |
| 345. | Polymerization of acrylonitrile | Srinivasan, N. T.; Santappa, M. | Die Makromolekulare Chemie | 26 | 1 | 80-91 | 1958 | |
| 346. | Oxidation of Acetone and Methyl Ethyl Ketone by Ceric Ions in Aqueous Solution | Venkatakrisshna n S., Santappa M. | Zeitschrift fur Physikalische Chemie | 16 | 02-Jan | 73-84 | 1958 | 10.1524/zpch.1958.16.1_2.073 |
| 347. | Photo-initiated free radical polymerization of methyl acrylate in aqueous solution | Menon, C. Chaitanyan; Santappa, M. | Canadian Journal of Chemistry | 35 | 11 | 1267-1277 | 1957 | |
| 348. | Citrate and Oxalate radical-ion initiated vinyl polymerization in aqueous solution | Subramanian, R. V.; Santappa, M. | Die Makromolekulare Chemie | 22 | 1 | 147-162 | 1957 | |
| 349. | Methyl ethyl ketone peroxide as an initiator in the polymerization of vinyl monomers | Gopalan, M. R.; Santappa, M. | Journal of Polymer Science | 25 | 110 | 333-349 | 1957 | |
| 350. | Methyl ethyl ketoneperoxide as initiator in vinyl polymerization methyl methacrylate | Gopalan, M. R.; Santappa, M. | Journal of the Madras University, Section B | XXVI | 1 | 51 | 1956 | |
| 351. | Rates of initiation and chain transfer constants in the polymerization of methyl methacrylate | Mahadevan, V.; Santappa, M. | Journal of the Madras University, Section B | XXVI | 1 | 79-92 | 1956 | |
| 352. | A spectrophotometric investigation of the complexes of ferric iron with oxalic and citric acids | Subramanyam, R. V.; Santappa, M. | Journal of the Madras University, Section B | XXVI | 1 | 63 | 1956 | |
| 353. | Chain transfer reactions and the Nature of Initiation in the polymerization of styrene | Vaidhyanathan, V. S.; Santappa, M. | Die Makromolekulare Chemie | 16 | 1 | 140 | 1955 | |
| 354. | Rates of initiation and chain transfer constants in the polymerization of methyl acrylate | Mahadevan, V.; Santappa, M. | Die Makromolekulare Chemie | 16 | 1 | 119-139 | 1955 | |
| 355. | Polymerization of vinyl monomers in aqueous solution by radicals from photoexcited electron transfer reaction in the ion pair Fe ³⁺ OH | Santappa, M. | Journal of Scientific & Industrial Research | 13 | 12 | 819-824 | 1954 | |

| | | | | | | | | |
|------|--|-------------------------------------|---|----|--------|---------|------|--|
| 356. | Kinetics of reactions between chloride radicals from photo excited ion pair Fe ³⁺ -Cl ⁻ and vinyl monomers in aqueous solution | Santappa, M. | Journal of the Madras University, Section B | 24 | 2 | 279–294 | 1954 | |
| 357. | Photoinitiated free radical polymerization of vinyl compounds in aqueous solution | Evans, M. G.; Santappa, M.; Uri, N. | Journal of Polymer Science | 7 | 02-Mar | 243–260 | 1951 | |