



Janki Devi Bajaj Government Girls College, Kota



Self-Study Report Criterion -3

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

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2018-19	Books and chapters in edited volumes/books published and papers published in national/ international conference proceedings	1-3


2018-19

Dr. Sadguru Prakash has started his teaching career in department of Zoology, M.A.P.G. College, Saharanpur since 2002 after completing his Ph.D degree in 2002 from Dr. B.N.L. Mehta University, Allahabad under the supervision of Dr. A.R. Singh. Dr. Prakash is a keen researcher and published more than 25 research papers in reputed national and international journals and attended more than 30 national and international conferences/symposium and delivered lectures as resource person on various topics. He has been awarded fellowship from Blue Planet Society, Prayagraj, Indian Biological Research Foundation, Prayagraj and Global Environment & Society Association, New Delhi. He has been awarded Dr. J.D. J. Akhla Kishan Green Environment Promotion Award by GESA, New Delhi, Innovative Educational Award by GESA, New Delhi and Swachh Vidyalaya Award by IIMT, Prayagraj. He has supervised one Ph.D. Scholar, one M.Phil Student and five dissertation projects of M.Sc. Students. He is also academic journal viz. Editorship Incharge of the College, member of proctorial board, Assistant coordinator IGNOU study center, Assistant coordinator IQAC of the college etc. and member of Board of studies in Saharanpur University, Saharanpur, Saharanpur, U.P.

Dr. Rajiv Ranjan has started his teaching in 2002 after completing his Ph.D degree in Plant Pathology from Dr. B.N.L. Mehta University, Allahabad under the supervision of Dr. J.P. Tewari and guidance of late Prof. Ajahwan Sr. Srivastava, D.O.U university, Gorakhpur. Dr. Ranjan has published more than 15 research papers in reputed national and international journals and attended more than 10 national and international conferences/seminar/symposium. He has been awarded fellowship from Akshay Biological Research Foundation, Prayagraj and U.P. Akshay Shakti Global Award for Biodiversity by GESA, New Delhi. He has guided more than 30 dissertation projects of M.Sc. Students. He is equally active in other cocurricular activities of the college viz programme officer, IIS, Game superintendent, Assistant Hostel warden, member of proctorial board, member of sport council & Board of studies of Saharanpur University, Saharanpur, Saharanpur, U.P.

Dr. Ravindra Kumar Pandey has been working as associate professor in department of Botany since 2001. He has completed his M.Sc. degree from D.O.U. Gorakhpur university Gorakhpur in his domain with specialization in genetics and molecular genetics in 1993 with NET-JRF (GGS), he did his Ph.D. degree from Dr. B.N.L. Mehta university, Allahabad under the supervision of Dr. J.P. Tewari. Dr. Pandey has published more than twenty five research paper in reputed national and international journals and attended various seminar/symposium/conference or invited by various colleges and universities. He has been awarded fellowship from Akshay Biological Research Foundation, Prayagraj. He has also done work as coordinator, member of proctorial board, IIS and Ex-coordinator IGNOU study center etc. He is also academic journal viz. Editorship Incharge of the College, member of proctorial board, IIS and Ex-coordinator IGNOU study center etc. He is also academic journal viz. Editorship Incharge of the College, member of proctorial board, IIS and Ex-coordinator IGNOU study center etc. He has guided more than 30 dissertation projects of M.Sc. Students.

Biodiversity and Development: Challenges of 21st Century




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Sadguru Prakash | Rajiv Ranjan | Ravindra Kumar Pandey

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swarajyapublication@gmail.com
14/17A, Radhika
Chowk, Ghazipur - 201003
www.sjp.in
9790220020 982710814

MRP: ₹99/-
ISBN 978-81-9370148-5



Biology of Complexes of Ruthenium(II) Mixedhalides

¹Alok Shukla, Sudhakar, ²Prakash and ³Saraswati Agrawal

¹Department of Physics, M.L.K. P.G. College, Balrampur

²Department of Zoology, Shia P.G. College, Lucknow

³Department of Chemistry,
J.D.B Govt. Girls College Kota (Rajasthan)

ABSTRACT

The ability of Ru to exist in many oxidation states is an important property of this element, which plays an important role in its applications. Ruthenium readily form coordinate complexes and these complexes have their applications in diverse fields. Day-to-day expanding in the chemistry of ruthenium and its complexes is due to their applications directly or indirectly in determination of calcitonin level in blood, in Eleecysfolate RBC assay to estimate folate deficiency in RBC, as immunosuppressant, as antimicrobial agents, as antibiotic agents, as inhibitors to inhibit over production of nitric oxide in biological cell, as metallopharmaceuticals in treatment of various diseases including cancer, AIDS, radio sensltizers complexes with ruthenium are used in radiation therapy, as anti-metastasis drugs. Dragutan et al. in editorial special issue review wrote "Valorization of Ru complexes in photochemistry and agrochemicals will undoubtedly be forthcoming". A survey of literature shows that designing of new ligands that can complexed with ruthenium in various oxidation states can lead to develop new materials. Now, center of gravity of approach of biology together with chemistry and phys-

भौतिक रसायन
(PHYSICAL CHEMISTRY)

(शास्त्रज्ञों के विभिन्न विद्यार्थियों के बी. ए. सी. पार्ट-III के अतिरिक्त एम. ए. सी. सी. साइंस विभाग)

लेखक

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| <p>डॉ. प्रो. पी. डी. शर्मा
प्रोफेसर एवं पूर्व अध्यक्ष
रसायनशास्त्र विभाग
राजस्थान विश्वविद्यालय, जयपुर</p> <p>डॉ. ए. पी. एम. वर्मा
प्रोफेसर एवं पूर्व अध्यक्ष
रसायनशास्त्र विभाग
राजस्थान विश्वविद्यालय, जयपुर</p> <p>डॉ. रामकृष्ण करनावट
ब्याच्युलाट
रसायनशास्त्र विभाग
राजकीय स्नातकोत्तर महाविद्यालय
सावाईमाधोपुर</p> | <p>डॉ. ए. ए. शर्मा
पूर्व प्रोफेसर एवं अध्यक्ष
रसायनशास्त्र विभाग
राजस्थान विश्वविद्यालय, जयपुर</p> <p>डॉ. आशुशर्मा
डीन
विद्यालय, साइंस
कोटा विश्वविद्यालय, कोटा</p> <p>डॉ. (श्रीमती) विजय देवदा
ब्याच्युलाट
रसायनशास्त्र विभाग
जे. बी. सी. राजकीय स्नातकोत्तर महाविद्यालय
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आर. बी. डी. पब्लिशिंग हाउस
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