



Yavatmal Zilha Akhil Kunbi Samaj Dwara Sanchalit,

GOPIKABAI SITARAM GAWANDE MAHAVIDYALAYA,
UMARKHED-445206

Report on
National Conference
On

Recent Advances in Science and Technology
(RAISAT-2019)
5th -6th March 2019

Recent Advances in Science and Technology

(RAISAT-2019)

5th -6th March 2019

RAISAT-2019 is an interdisciplinary conference aims to bring together scientist, faculties, researchers, students and stakeholders across India to involve actively to address challenges and share scientific information regarding restoration projects, programs and research across India. The aim of this National Conference is to discuss and share research in basic Sciences that elevate the life of society.

The conference has covered and call the research papers on following themes:

1) Chemical Sciences:

Environmental Chemistry, Drug Chemistry, Green Chemistry, Organometallic Chemistry, Catalysis, Physico-Chemical Aspects.

2) Physical Sciences

Functional Materials, Natural Resources, Thin Film. Nano materials, Photonics, Condensed Matter Physics.

3) Life Sciences:

Molecular Biology and Biochemistry, Biodiversity and Environmental Sciences, Genetics, Anthropology.

4) Mathematical Sciences:

Theories of Gravitations, Special Functions, Mathematical Modeling, Boundary Value problems

5) Computer Science:

Use of ICT in Teaching, Learning and Evaluation, Google Tools in Teaching Learning and Evaluation, Green Computing, Artificial Intelligence, Cloud Computing, Mobile Computing

6) Library and information Science:

Management of e-resources and its Utility, Digital Library Services in H.E. Role of ICT in Academic Libraries.

DAY:1

The Conference opens with grand inaugural function on 5th march 2019. Following distinguished personalities attended and blessed the function. The Chief guests also addressed the delegates and audience.

- **Dr K. M. Kulkarni,**
Former vice-chancellor, SRTM University, Nanded and Former Director, Higher Education, Govt of Maharashtra.
- **Dr F. C. Raghuwanshi,**
Dean, Faculty of Science, SGBAU, Amravati
- **Prof. S V Bhosale,**
Sr. Scientist CSIR- Polymer and Functional Material Division, IICT, Hyderabad.
- **Prof S D Katore,**
Head, Department of Mathematics, SGBAU, Amravati

After the Inaugural function, the parallel Sessions were conducted at six ICT enabled Halls, where the following key note speaker delivers the talk.

- **Dr F C Raghuwanshi,** **-Physical Sciences**
- **Dr S V Bhosale** **Chemical Sciences**
- **Dr S D Katore** **Mathematical Science**
- **Dr Suryakant Thorat** **Computer Science**
- **Dr S S Nanaware** **Biological Science**
- **Dr Ravindra Sarode** **Library and Information Sciences**

At post lunch session invited talks were arranged for each discipline.

DAY:2

The technical Sessions followed by poster presentation were arranged. The young researcher got an opportunity to share the findings of the research with peers and experts. The Constructive discussion encourages young researchers.

The Conference Concludes after valedictory function and distribution of certificates to participants.

Glimpse of Conference:



Conference Brochure:

LOCAL ADVISORY COMMITTEE

Dr. N.R. Dhatrikar, Pune
Prof. R.N. Ingole, Sion
Dr. R.R. Wankhede, Digras
Dr. A.B. Naik, Amravati
Dr. S.D. Deosarkar, Nanded
Dr. R.T. Parihar, Matheran
Dr. N.N. Karade, Nagpur
Dr. S.B. Sirsat, Nanded
Dr. M.V. Lokhande, Mumbai
Dr. S.R. Kamble, Pusa
Prof. S.S. Ingle, Mangalpur
Dr. B.R. Halde, Karanja Lad
Dr. S.P. Kandalkar, Amravati
Dr. V.R. Patil, Chikhaldara
Dr. V.G. Mete, Amravati
Dr. R.S. Rane, Mangalpur
Dr. S.N. Bayaskar, Amravati
Dr. S.R. Bhoyar, Pusa
Dr. Mrs. P.B. Gaikwad, Pusa
Dr. Ku.A.P. Wasmik, Amravati
Dr. S. E. Tayde, Karanja Lad
Dr. K.K. Hurdle, Digras
Dr. S.C. Gedam, Nagpur
Dr. A.B. Lad, Yavatmal
Dr. V.D. Kapse, Chikhaldara
Dr. N.R. Pawar, Mangalpur
Dr. A.U. Bajpeyee, Amravati
Dr. S.J. Shemmare, Bahadurgan
Dr. R.V. Bajad, Yavatmal
Dr. C.S. Bhowate, Nanded
Dr. V. B. Garad, Parbhani
Dr. D.S. Dabhiade, Washim
Dr. M. N. Patil, Chikhaldara
Dr. V.R. Wankhede, Amravati
Dr. R. Veeram, Pandharkheda
Prof. J.S. Khan, Pusa
Dr. D. B. Khamankar, Wani
Dr. S. N. Tayade, Shirdi
Dr. S.S. Mukhedkar, Mahad
Dr. S. J. Zodi, Sion

LOCAL ORGANIZING COMMITTEE

Dr. S.R. Vadrabade
Dr. V.R. Chirde
Dr. V.P. Kadam
Dr. S.P. Rathod
Dr. K.B. Shirse
Dr. M.B. Kadam
Dr. V.R. Jiode
Dr. V.S. Ingle
Dr. T.M. Bhagat
Dr. Miss. S. Nimbhorkar
Dr. B.M. Sawarkar
Prof. S.S. Pachkudke
Dr. P.D. Shirkhate
Prof. K.S. Sontakke
Prof. P.K. Nakhate
Shri. D.G. Wankhede

Dr. S.S. Asole, Wani
Dr. A.B. Patil, Pusa
Dr. B.H. Tale, Nanded
Dr. D.S. Wankhede, Nanded
Dr. V.H. Masand, Amravati
Dr. A.G. Jadhav, Amravati
Prof. A.V. Ganar, Yavatmal
Dr. S.M. Deshpande, Digras
Dr. A.N. Deore, Karanja Lad
Prof. R.B. Patil, Yavatmal
Dr. H.R. Ghate, Buldhana
Dr. M.V. Dawande, Amravati
Dr. A.M. Metkar, Akola
Dr. G.U. Khaparkar, Achalpur
Dr. A.S. Patil, Buldhana
Dr. P.P. Khade, Amravati
Dr. K.S. Wankhede, Mangalpur
Dr. A.S. Nimkar, Mangalpur
Dr. S.P. Bhagat, Washim
Dr. G.D. Zade, Nagpur
Dr. G.A. Agalate, Wani
Dr. V.K. Jadhav, Digras
Dr. D.S. Chavan, Yavatmal
Dr. G.T. Lamdhade, Amravati
Dr. V.P. Gadhe, Chikhaldara
Dr. V.P. Ubale, Wani
Dr. M.B. Anasane, Amravati
Dr. A.B. Chindurwar, Nanded
Dr. D.S. Dhote, Amravati
Dr. R.S. Gulhane, Karanja Lad
Dr. P. B. Ade, Yavatmal
Dr. R.G. Jadhav, Akola
Dr. G. B. Kale, Khargone
Dr. M.D. Kulkarni, Mangalpur
Dr. N.S. Labhsetwar, Digras
Dr. P.M. Makode, Mangalpur
Prof. S.B. Agamre, Washim
Prof. V.D. Jadhav, Digras

Patrons

Hon'ble Adv. Anant Rao A. Deosarkar
Ex-MLA and Former President, Yavatmal Zilla Akhil Kunbi Samaj, Unmarked

Hon'ble Dr. Sushilata A. Gawande, USA

Hon'ble Dr. Y.M. Raut
Secretary, Yavatmal Zilla Akhil Kunbi Samaj, Unmarked

Hon'ble Ram A. Deosarkar
President, Yavatmal Zilla Akhil Kunbi Samaj, Unmarked

Hon'ble Dr. Murlidhar G. Chandekar
Vice-Chancellor, Sant Gadge Baba Amravati University, Amravati

Hon'ble Adv. Sumeta A. Gawande
USA

Organizing Committee


Organizer

Dr. M.N. Gaikwad
Principal, G.S. Gawande Mahavidyalaya, Unmarked


Convener

Dr. S.R. Vadrabade
Co-ordinator, R.M.C. G.S.G. College, Unmarked






National Conference
On
Recent Advances In Science And Technology
(RAISAT - 2019)
5th & 6th March 2019



Organized by
Yavatmal Zilla Akhil Kunbi Samaj Dwar Sanchalit
GOPIKABAI SITARAM GAWANDE MAHAVIDYALAYA
UMARKHED - 445206 Dist. Yavatmal (M.S.)
(Re-accredited by NAAC, with
B⁺ Grade : CGPA 2.79, 3rd cycle)



Invitation:

Dear Sir/Madam,

It gives us immense pleasure to cordially invite you to participate in National Conference on "Recent Advances In Science And Technology - 2019" organized by Gopikabai Sitaram Gawande Mahavidyalaya, Unmarked on 5th & 6th March 2019

About the Institution:

Gopikabai Sitaram Gawande Mahavidyalaya, Unmarked, established in 1966, sprawling over 32 acres of campus, is one of the premier educational institute in the area. It is an ideal learning center adopted by Late Dr. Atmaranji Gawande. The college offers education in three disciplines viz. Science, Arts, and Commerce and has been assessed and re-accredited by National Assessment and Accreditation Council, Bangalore with B⁺ Grade.

The college is flourishing under the able guidance of Dr. Sushilata Gawande, Dr. Atul Gawande, Adv. Sumeta Gawande and boost under the able leadership of Honorable, Adv. Anant Rao Deosarkar (Ex-MLA), former President, Y.Z.A.K.S., Honorable Mr. Ram Deosarkar, President, Y.Z.A.K.S. and Honorable Dr. Y.M. Raut, Secretary, Y.Z.A.K.S.

About Unmarked :

Unmarked nick named as a 'Town of Temples' is situated in Yavatmal district of Maharashtra state. It is established on the bank of river Painganga in the vicinity of Pusa range forest. It is also near the famous water fall "Sabastrakund", Painganga Sanctuary and Isapur Bird Sanctuary.

Route :

Unmarked is well connected by roads. It is 70 Km. from Nanded, and 270 Km. from Nagpur, on Nagpur-Tuljapur highway. It is 200 Km. away from Akola. The nearest domestic airport and railway station is Nanded. The nearest international airport is Nagpur. The weather during month of March remains pleasant and day temperature in the range of 26 to 35°C.

About the Conference :

From learning and knowledge management system to mobile social platforms, there are many technologies and knowledge from basic sciences that support formal and informal learning and performance of individual. The research in basic sciences, that transformed in to technology, always help society to live in better environment.

To nurture research atmosphere in campus and impart the benefits of Science and Technology to the last hut of the society scientists, teachers, researchers and students shall address challenges and share information regarding restoration projects, programs and research across India.

RAISAT 2019, is an interdisciplinary conference aims to bring together scientists, faculties, researchers, students and stakeholders across India to involve actively in the aforesaid process.

Conference Themes:

Chemical Sciences:

- 1) Organic Chemistry
- 2) Inorganic Chemistry
- 3) Physical Chemistry
- 4) Analytical Chemistry
- 5) Environmental Chemistry
- 6) Drugs Design
- 7) Green Chemistry
- 8) Organometallic Chemistry
- 9) Catalysis
- 10) Physico - Chemical aspects.

Physical Sciences:

- 1) Functional materials
- 2) Natural Resources.
- 3) Thin Films.
- 4) Nanomaterials
- 5) Photonics
- 6) Condensed Matter.

Life Sciences:

- 1) Molecular Biology & Biotechnology
- 2) Biodiversity & Environmental Sciences
- 3) Genetics, Anthropology & Animal physiology
- 4) Fisheries
- 5) Plant Diversity, Evolution & Conservation
- 6) Innovation in plant science
- 7) Current Scenario of Botanical Research.
- 8) Life Science & Environmental Studies.

Mathematical Sciences:

- 1) Theories of Gravitation
- 2) Special Functions
- 3) Mathematical Modeling
- 4) Fluid Dynamics
- 5) Algebra
- 6) Boundary value problem.

Computer Sciences:

- 1) Use of ICT in Teaching, learning and Evaluation.
- 2) ICT in Academic and Administrative domain.
- 3) Google Tools in Teaching, Learning & Evaluation.
- 4) Green Computing
- 5) Network Security
- 6) Artificial Intelligence
- 7) Cloud Computing
- 8) Mobile Computing
- 9) Data warehouse
- 10) Image Processing.

Library and Information Science:

- 1) Management of E. resources and its utility.
- 2) Digital Library services in higher Education.
- 3) Role of ICT in Academic Libraries.

Research Paper Submission Information:

Format of Research Paper : Full length paper word limit 1500-2000 words.

Medium : English, Font - Times new Roman, Font size - 12,

Please mention your mobile No. and E-mail ID while sending paper.

Last Date : 20, Feb. 2019

All accepted full length papers will be published in peer reviewed & UGC listed Journal No. 40776 "AJANTA" ISSN : 2277-5730 with Impact Factor 5.5 and shall be released during the Inaugural session of the Conference.

The papers should be submitted to : raisat2019@gsgcollege.edu.in

REGISTRATION FEES

Registration fee should be paid in Cash/RTGS/D.D. drawn in favour of "Recent Advances In Science And Technology", Account No. 6032280205, IFSC Code : MAHB0000257 Bank of Maharashtra, Branch - Unmarked

Registration	Amount
Faculty / Delegate	Rs. 1000/-
Student	Rs. 500/-

For more Details Contact : (Co-Conveners)

Co-Conveners

Dr. D.V. Tayade, H.O.D. Zoology - Mob. 9404329094

Dr. V.R. Chirde, H.O.D. Physics - Mob. 9404371115

Prof. S.B. Waghmare, H.O.D. Chemistry - Mob. 9421207038

Dr. D.L. Arakhi, H.O.D. Physics - Mob. 954325182

Prof. P.D. Wanjare, H.O.D. Botany - Mob. 9404827821

Dr. S.P. Nimbhorkar, H.O.D. Lib. - Mob. 9406071934

Prof. P.K. Nakhate, H.O.D. Computer Sci. - Mob. 9420621381

NATIONAL ADVISORY COMMITTEE

Dr. T.M. Karade (Former Vice-Chancellor, Indian University, Raipur)

Dr. K.M. Kulkarni (Former Director Higher Education Govt. of Maharashtra, Vidyalahari Mahavidyalaya, Amravati)

Dr. R.D. Modi (Principal, C.P. Patel Commerce College, Anand, Gujarat)

Briju Thakachan (Director, Curriculum & Assessment Design & Improvement, Athens, Ohio USA)

Dr. Yegan Pillay (Prof. in Psychology, USA)

Dr. F.C. Raghuvanshi (Dean faculty of Sci. and Tech., SGBAU, Amravati & Principal, Yashwantrao Mahavidyalaya, Amravati)

Dr. S.G. Bhadange (Ex-Dean, faculty of Science, SGBAU, Amravati and Principal, Sri Saiwasi College, Akola)

Prof. J.A. Tidke (Former Pro Vice-Chancellor, SGBAU, Amravati)

Dr. K.C. Deshmukh (Prof. & Former Dean, faculty of Science, RTMU, Nagpur)

Dr. W.N. Jadhav (Dean, faculty of Science, SRTMU, Nanded)

Dr. R.G. Atrani (Director, Institute of Sci. Nagpur)

Dr. D.D. Pawar (Director, School of Mathematics, SRTMU, Nanded)

Dr. A.S. Aswat (BoS Chairman & Head, Dept. of Chemistry SGBAU, Amravati)

Dr. B.S. Dawane (BoS Chairman & Director, school of Chemical Science, SRTMU, Nanded)

Dr. V.M. Thakare (BoS Chairman, SGBAU & I.O.D. Computer Sci. SGBAU, Amravati)

Dr. S.S. Nanaware (Chairman, Board of studies in Zoology, SRTMU, Nanded)

Dr. S.P. Chavan (Head, Dept. of Zoology, SRTMU, Nanded)

Dr. P.R. Rajput (Principal, SSKR Inamoli College, Karanja (Lad) President, AUCTA)

Dr. D.G. Gawai (Principal, Science College, Nanded)

Dr. P.A. Kulkarni (Head, Dept. of Chemistry, Yashwantrao Mahavidyalaya, Nanded)

Dr. S.S. Jadhav (Head, Dept. of Botany, Yashwantrao Mahavidyalaya, Yavatmal)

Dr. M.M. Dhare (Head, Dept. of Botany, P.S. Science College, Digras)

Dr. V.S. Zade (Head, P.G. Dept. of Zoology, GVSBU, Amravati)

Dr. Miss. H.P. Nandurkar (Head, P.G. Dept. of Zoology, GVSBU, Amravati)

Dr. R.P. Mali (Head, P.G. Dept. of Zoology, Yashwantrao Mahavidyalaya, Nanded)

Dr. S.D. Katore (Head, Dept. of Mathematics, SGBAU, Amravati)

Dr. H.S. Mahalle (Principal, Y.R. Mahavidyalaya, Sion)

Dr. P.N. Mulikwar (Asst. Prof. A.U. Yavatmal, Member Board of studies, SGBAU)

Dr. S.S. Sherekar (Prof. Dept. of Computer, SGBU, Amravati)

Dr. V.C. Berkar (Prof. Math Yashwantrao College, Nanded)

Dr. A.S. Kadam (D.S.M. College, Junar)

Dr. P. P. Deshmukh (Librarian, Ph.D. Singh Nakh Mahavidyalaya, Pusa)

Dr. S.K. Omkarwar (Head, Dept. of Physics, SGBAU, Amravati)

Dr. A.C. Kumbharkhane (Prof. Dept. of Physics, SRTMU, Nanded)

Dr. S.J. Dhobale (Prof. Dept. of Physics RTMU, Nagpur)

Dr. S.P. Yawale (Prof. Head, Dept. of Physics Institute of Sci., Mumbai)

Dr. S.N. Malode (Head, Dept. of Botany, GVISH, Amravati)

Dr. A.U. Ubale (Head, Dept. of Physics, GVISH, Amravati)

Dr. S.B. Thorat (Director, ITM, Nanded)

Dr. S.R. Asole (Principal, Science College, Gadhokhar)

Dr. N.G. Belhare (Principal, B.B. Science College, Amravati)

Dr. S.V. Agarkar (Principal, BBA, NBC & BPS College, Digras)

Dr. N.S. Thakare (Principal, M.S.P. Arts & Science College, Manara)

Dr. S.G. Motake (Principal, P.N. College, Pusa)

Dr. V.R. Bonde, Principal, Y.C. Arts & Science College, Mangalpur

Dr. A. P. Charjan, Principal, Dr. R.G. Rathod Arts & Science College, Maritapur

Dr. V.B. Raut, Principal, M.M. College, Parbha

Dr. D.T. Tayde, Head Dept. of Chemistry, GVISH, Amravati

Prof. M.R. Lanjewar, Dept. of Chemistry RTMU, Nagpur

Dr. A.P. Pathak, Prof. & Head Dept. of Microbiology, School of Life Sci. SRTMU, Nanded

Dr. N.S. Kulkarni, Head Dept. of Microbiology, R.A. College, Washim