



Mahatma Gandhi Central University Bihar

[Established by an Act of Parliament]

TempCamp, Zila School Campus, Motihari-845 401, District: East Champaran, Bihar

Run for Champaran

Marking the historic day of Mahatma Gandhi's arrival in Champaran, an event named "Run for Champaran: From Satyagraha to Swachhagraha" was organised by Mahatma Gandhi Central University Bihar on 15th April 2017 to create awareness among people for cleanliness. The Chief Guest of the programme, Hon'ble Union Agriculture Minister, Shri Radha Mohan Singh ji flagged off the run at 07.00 am at the gate of Mahatma Gandhi Central University. More than 300



students, faculty and non-teaching staff of the University, clad in white T-

shirts ran till Gandhi Sangrahalaya, Motihari, offered a floral tribute to Gandhiji's Memorial and returned to the University at 09.00 am. During the march, streets of Motihari were resounding with slogans, "Swachhata Hamara Dharm He" (Cleanliness is our Religion), "Swachh Bharat Swastha Bharat" (Clean India is Healthy India) and "Mahatma Gandhi Amar Rahe" Long Live Mahatma

Gandhi, raised by the jubilant students.

Message from the Chief Editor

On a hot summer afternoon exactly a century ago, a young barrister stepped on the land of Motihari upon the persistent requests of a local farmer. He visited various villages of Champaran and recorded the statements of the repressed Indigo planters and plantation owners. He did not launch any massive protest rallies or hold any hunger strike. All he sought was truth, and the land of Champaran provided him a fecund soil for the pursuit of truth. The statements he recorded and the reports he submitted based on his experiences led to the creation of Champaran Agrar-

ian Law, 1918 that proved a panacea to the age-old plight of the peasants of Champaran.

It is the very land where that barrister Mohan Das became the Mahatma. To commemorate the centenary year of that watershed moment of Indian history was a cherished opportunity. On this occasion, the University organised Centenary Celebrations Week featuring various events such as a four day long Film Festival on Gandhiji, a book festival and an exhibition of rare pictures of Gandhiji. The University

also paid tribute to the memory of Gandhiji by releasing two volumes on Champaran Satyagraha with articles contributed by the faculty of the University.

This issue of Parisar Pratibimb is dedicated to the legacy of that saint about whom Albert Einstein aptly said, "Generations to come, it may well be, will scarce believe that such a man as this one ever in flesh and blood walked upon this Earth".

asutosh pradhan

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Film Festival on Gandhi Organised

As a part of the Centenary celebrations of Champaran Satyagraha, Mahatma Gandhi Central University Bihar organised a **Film Festival on Gandhi** in collaboration with Directorate of Film Festivals during 14th to 16th April, 2017 in Town Hall, Motihari. The fest was inaugurated at 10 am on 14th April, 2017 by the Chief Guest, Hon'ble Agriculture Minister, Shri Radha Mohan Singhji in the presence of the Deputy Director, Directorate of Film Festivals and International Film Festival of India, Ms. Tanu Rai who was the Guest of Honour. Hon'ble Vice-Chancellor, Prof. (Dr) Arvind Agrawal presided over the event. The first offering in the film festival was the film *Dr. Baba Saheb Ambedkar* directed by Jabbar Patel based on the life of the architect of the Indian constitution. The film was shown at 11 am on 14th April, 2017. Shyam Benegal's film *Making of Mahatma* was shown at 3 pm on the same

दिनांक: 14.04.2017	
	सायं 3:00 बजे मेकिंग ऑफ महात्मा निर्देशक: श्याम बेनेगल हिन्दी / 144 मिनट
दिनांक: 15.04.2017	
	प्रातः 10:00 बजे चित्रगोन्ग निर्देशक: बेददत्त पेंहन हिन्दी / 105 मिनट
	मध्याह्न 2:00 बजे सरदार निर्देशक: कंतन मेहला हिन्दी / 175 मिनट
	सायं 5:30 बजे गांधी निर्देशक: रिचर्ड अटेंनबोरो अंग्रेजी / 191 मिनट
दिनांक: 16.04.2017	
	प्रातः 10:00 बजे भारत एक खोज निर्देशक: श्याम बेनेगल हिन्दी / 180 मिनट
	मध्याह्न 2:00 बजे सुभाष चन्द्र बोस- द फोरगट्टन हीरो निर्देशक: श्याम बेनेगल हिन्दी / 222 मिनट
	सायं 5:30 बजे लगे रहो मुन्ना भाई निर्देशक: राजकुमार हिरानी हिन्दी / 144 मिनट

day. On 15th April, 2017, the film *Chitragong* was screened at 10 am which was followed by the film *Sardar* based on the life of Iron Man of India and the first Home Minister of India, Shri Vallabhbhai Patel at 2 pm. Richard Attenborough's *Gandhi* was screened at 5 pm the same day. One serial and two movies were screened on 16th April, 2017, the concluding day of the film festival. A portion of the Television series *Bharat Ek Khoj* directed by Shyam Benegal and based on the work *Discovery of India* by India's first Prime Minister, Jawaharlal Nehru was shown at 10 am. The film *Subash Chandra Bosh—The Forgotten Hero* was shown at 2 pm which was followed by Raj Kumar Hirani's *Lage Raho Munna Bhai* at 5 pm.

Exhibition on Mahatma Gandhi Inaugurated



Mahatma Gandhi Central University Bihar in collaboration with Directorate of Advertising & Visual Publicity, Government of India organised an exhibition on Mahatma Gandhi as part of the centenary celebrations of Gandhiji's historic Champaran Satyagraha in the campus of Zila School, Motihari. The exhibition was inaugurated by Esteemed Smt. Tara Gandhi, the granddaughter of Mahatma Gandhi in the august presence of Hon'ble Vice-Chancellor, Prof. (Dr) Arvind Agrawal at 1.50 pm

on 13th April, 2017 by cutting of the ceremonial ribbon and lighting of the lamp. On this occasion, Smt. Gandhi was felicitated by Hon'ble Vice-Chancellor with a bouquet, a shawl and a memento. This exhibition showcasing rare photographs and books associated with Gandhiji continued till 19th April, 2017. Academic Coordinator of the University, Prof. (Dr) Asutosh Pradhan, Sh. Bablu Gupta, Member, Bihar Legislative Council also graced the occasion along with the faculty and students of the University and members of civil society



Address by Esteemed Smt. Tara Gandhi



for the world and is not confined to his descendents. She also said that she was overwhelmed with the love that people of Champaran in particular have for Gandhi. Smt. Gandhi shared that Gandhian ethos should transcend the tokenism of Gandhism such as khadi and the spinning wheel. She said that if we are non-violent in our day to day life and are able to show mercy to each and every creature, it is no less than leading any revolution. Highlighting the importance of education, she said that only education can bring in a positive change in society particularly in obliterating gender-based discrimination. She also expressed concern over language evaporating from handwriting in the age of digitalization. She encouraged the students to be responsible citizens. Warning of the dangers of mechanization of Gandhian philosophy, she expressed hope that the cardinal Gandhian doctrines like truth, non-violence, generosity and kindness should not just become hollow words but they should be put into practice. After her address, she also interacted with students and faculty of the University and answered their queries.

As part of centenary celebrations of Champaran Satyagraha, Smt. Tara Gandhi, the granddaughter of Mahatma Gandhi and C. Rajagopalachari, interacted with the students of Mahatma Gandhi Central University Bihar at 3.30 pm on 14th April, 2017 in Town Hall, Motihari. Welcoming Smt. Gandhi, Hon'ble Vice-Chancellor, Prof. (Dr) Arvind Agrawal said that it must be the fruit of his meritorious deeds in his previous birth that he became the first Vice-Chancellor of a Uni-

versity bearing Mahatma Gandhi's name established in the centenary year of Champaran Satyagraha. He said that in the form of Smt. Tara Gandhi, Gandhiji himself has personally blessed the University. In her address, Smt. Gandhi shared anecdotes of her memories with Gandhiji in the first 14 years of her life. She spoke of Gandhiji as a person who was very jovial with a keen sense of aesthetics. She said that Gandhian heritage is now a common legacy

Photos from Run for Champaran



March to Gandhi Sangrahalaya



At Gandhi Memorial

Mrs. Durga Shakti Nagpal, IAS: “There is no Plan B in IAS Preparation”



During the ongoing Film Festival on Gandhiji, Mrs. Durga Shakti Nagpal, an IAS Officer of UP Cadre and an Officer on Special Duty (OSD) to Hon'ble Union Agriculture Minister, Shri Radha Mohan Singh ji, interacted with the students of Mahatma Gandhi Central University Bihar

at 04.00 pm on 15th April, 2017 in Town Hall, Motihari. Welcoming Mrs. Nagpal, Hon'ble Vice-Chancellor, Prof. (Dr) Arvind Agrawal said that Mrs. Nagpal is a lady with a poised demeanour who demonstrates how an empowered woman can bring positive change in society and deemed her as a source of inspiration for the students. On this occasion, Hon'ble Vice-Chancellor announced that soon the University will start coaching classes for civil service aspirants. He also gave tips to the students that they should hit the core point of the question in their answers and said that the University will arrange evening sessions with the students where they can interact with teachers on matters concerning civil service preparation.

In her address, Mrs. Nagpal lauded the efforts of the Hon'ble Vice-Chancellor, Mahatma Gandhi Central University Bihar for establishing such

a beautiful University within such a short span of time. She mentioned that the process of making of the University should be properly documented and referred to as a case study for bureaucrats. After her address, she also interacted with students of the University and answered their queries related to preparations for civil services. During her interaction, she stressed that there is no Plan B in IAS preparation and said that consistency is the key to success. Encouraging the students, she said that the magic of willpower overpowers all hindrances.

Ms. Alka Lalhall, Assistant Professor, Department of Management Sciences compered the event. Dr Pavnesh Kumar, Convener of the event proposed a vote of thanks.

Mr Abhay Kumar, IAS: “There is no Shortcut to Success”

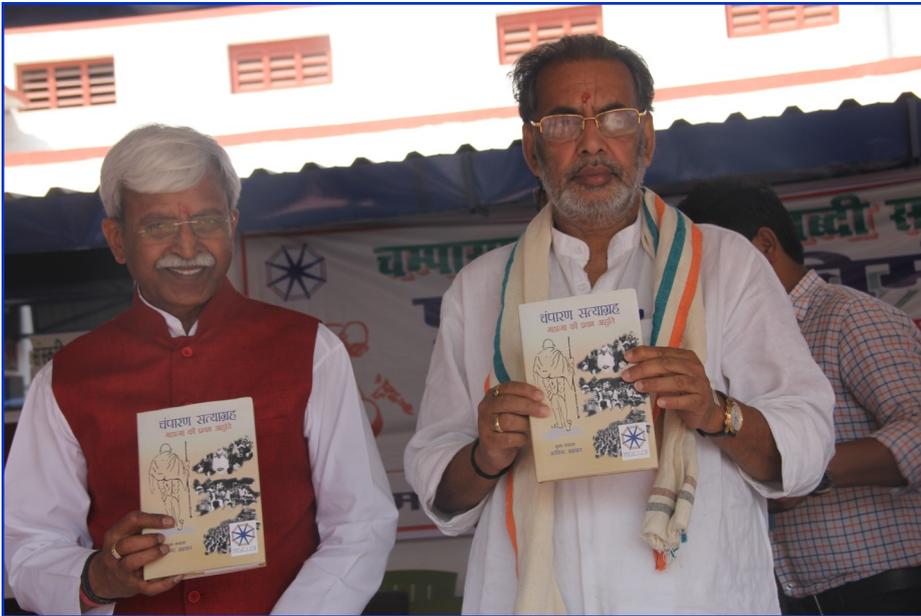


During the Film Festival on Gandhiji, Mr Abhay Kumar, an IAS Officer and the Personal Secretary to Hon'ble Union Agriculture Minister, Shri Radha Mohan Singh ji, interacted with the students of Mahatma Gandhi Central University on 16th April, 2017 in Town Hall, Motihari. Welcoming Mr. Kumar, Hon'ble Vice-Chancellor, Prof. (Dr) Arvind Agrawal said that Mr Kumar bears utmost affection for the University and his presence will inspire the students.

In his address, Mr Kumar congratulated the Vice-Chancellor for his dedication and persevering efforts towards the University. During his inter-

action, he said that each student of the University can become an IAS officer and shared that there is no shortcut to success. He encouraged the students to dream big and become ambitious. He patiently answered the queries of the inquisitive students. Ms. Alka Lalhall, Assistant Professor, Department of Management Sciences compered the event. Dr Pavnesh Kumar, Convener of the event offered a vote of thanks. On this occasion, Prof. (Dr) Asutosh Pradhan, Academic Coordinator of the University was also present along with faculty members and students of the University.

Book Exhibition & Release



Socio-Political Crucible while the Hindi book is titled as *Champan Satyagraha: Mahatma Ki Pratham Aahuti*. All the articles contributed to these volumes have been written by faculty members of the University. In his address, Hon'ble Minister congratulated the University for offering a true *Karyanjali* (a tribute through action) by way of the two volumes on Gandhiji. He said that Gandhiji's Satyagraha was not confined to securing freedom from the British clutches, but also contained ideas for the construction of a strong and self-sustained India after Independence. He emphasised upon the creative aspects of Gandhiji's Satyagraha and lauded the efforts of the University for adopting five villages in the neighbouring areas. He also spoke about the *Tiranga Yatra* organised as part of the centenary celebrations. Hon'ble Minister also inaugurated the Central Library and the University Information Technology Center. The University also felicitated the students and faculty members who contributed to the centenary celebrations in various committees and made the programme a success.

As part of the centenary celebrations of the historic Champaran Satyagraha, Mahatma Gandhi Central University organised a book exhibition from 16th to 19th April, 2017 in the campus of Zila School, Motihari. Hon'ble Union Agriculture Minister, Shri Radha Mohan Singh ji and Hon'ble Vice-Chancellor, Prof. (Dr) Arvind Agrawal inaugurated the exhibition at 10 am on 16th April, 2017 by lighting the ceremonial lamp. In his welcome address, Hon'ble

Vice-Chancellor said that it shows the commitment of the Hon'ble Minister towards the University as he attended the event notwithstanding his ill health. On this occasion, Hon'ble Minister released two volumes in Hindi and English on Champaran Satyagraha edited by Prof. (Dr) Arvind Agrawal, Hon'ble Vice-Chancellor, MGCUB. The title of the English book is *Champan Satyagraha: A*



University Central Library being Inaugurated by Hon'ble Union Agriculture Minister, Shri Radha Mohan Singh ji on 16th April, 2017



University IT Centre being Inaugurated by Hon'ble Union Agriculture Minister, Shri Radha Mohan Singh ji on 16th April, 2017

Workshop on Stock Market Conducted

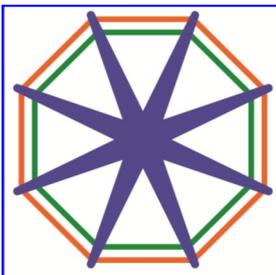


The School of Commerce and Management Sciences, Mahatma Gandhi Central University Bihar in collaboration with Skybull Shares and Securities Private Limited (Member of The Calcutta Stock exchange Ltd.) organised a One Day Workshop on the topic “**Stock Market Operations**” on 6th April, 2017. The workshop was inaugurated by Hon’ble Vice Chancellor Prof. (Dr) Arvind Agrawal who highlighted the importance of stock market in the development of the economic well-being of a nation. He also emphasised the importance of industrial interactions and ex-

posure for the students which can motivate them to become successful business tycoons in future. Mr Joydeb Banerjee, M.D of Rampujan Eng. Pvt. Ltd, also interacted with the students and introduced them to the stock market operations. He was followed by Mr. Yogesh Thakur, Research Head, Skybull Shares and Securities Pvt. Ltd., who elaborated in detail on the fundamentals and intricacies of the stock market such as what the stock market is, how the exchange takes place in the stock market, who can trade in the stock market etc. by giving examples

of leading players like Reliance Industries Ltd., State Bank of India, Tata Motors and others. He also briefed the participants about practical trading in the market thereby explaining the live working of SENSEX and NIFTY prices. Students also raised queries related to the current trend of stock market indices along with the various investment options available in the tax-saving schemes. Dr Pavnesh Kumar, Dean, School of Commerce and Management Sciences, was the Coordinator of the workshop.

MoU Signed with National Research Centre on Litchi



On 13th April, 2017, the inaugural day of Kisan Kalyan Mela in the campus of Zila School, Motihari, Hon’ble Vice-Chancellor of Mahatma Gandhi Central University Bihar, Prof. (Dr) Arvind Agrawal and Director of National Research Centre on Litchi, Prof. (Dr) Vishal Nath exchanged documents of a Memorandum of Understanding (MoU) in the august presence of Hon’ble Union Agriculture Minister, Shri Radha Mohan Singh ji. The findings from the research through this MoU will be disseminated among the farmers.



Review Published by Faculty



Dr Pranveer Singh, Associate Professor, Department of Zoology, Mahatma Gandhi Central University authored an invited review in prestigious *Annual Reviews* series. His article entitled '**LSPR Biosensing: Recent Advances and Approaches**' was published in *Reviews in Plasmonics* 2016 by Springer International which was first published online in March, 2017.

The said series was compiled in a book format edited by the leading figure in the field of plas-

monics, Prof. Chris D Giddes, University of Maryland, Baltimore USA.

The review article highlights the Localised Surface Plasmon resonance (LSPR) as a sensitive, label free, cost effective method for biomolecular sensing having important applications in the field of point-of-care biomedical diagnostics. The article can be accessed online at: https://link.springer.com/chapter/10.1007%2F978-3-319-48081-7_10

Paper Published by Faculty

Dr Devdutt Chaturvedi, Associate Professor, Department of Chemistry, School of Physical & Material Sciences, authored a paper entitled "**Synthesis and antimicrobial activity of novel 3,7-disubstituted 2H-1-benzopyran-2-ones**" published in a peer reviewed international journal, *Medicinal Chemistry*, 2017, 7(4), 857-864. In this paper, he has designed, synthesised a novel class of 3,7-disubstituted 2H-1-benzopyran-2-ones bearing a basic ether side chain at C-7 and a substituted phenyl ring at C-3 of the coumarin ring.

These compounds have been evaluated for antimicrobial (antibacterial/antifungal) activities. Some of the compounds have shown significant antifungal activities against selective strains. Some of the compounds having the MIC values of 1.56 µg/mL displayed better antifungal activity than fluconazole against *Trichophyton mentagrophytes*. Details of this work may be seen by clicking on the following link: <https://www.omicsonline.org/ArchiveMedchem/medchem-archive.php?journal=mccr&month=April&year=2017>



Paper Published by Faculty



Dr Arvind Kumar Sharma Assistant Professor, Department of Physics, authored a paper titled "**Study of dielectric relaxation and thermally activated a.c. conduction in lead containing topological glassy semiconductors**" in the international journal *Royal Society Chemistry- RSC Advances*.

In this paper, the author studied the effect of Se atom replacement by Pb atoms on the electrical properties of a multi-component system. They observed that when Pb is incorporated into ter-

nary parent $\text{Se}_{78}\text{Te}_{20}\text{Sn}_2$ glass, the thermal stability and glass forming ability of quaternary samples is enhanced noticeably. This communication deals with frequency and temperature dependence of the dielectric properties of multi-component Chalcogenide glassy semiconductor (ChGS of the $\text{Te}_{20}\text{S}_{n_2}\text{Se}_{78-x}\text{Pb}_x$ ($0 \leq x \leq 6$) system over the 303–348K temperature range and 50 kHz to 1 MHz frequency range. The author observed the influence of impurity element Pb into the host glassy $\text{Se}_{78}\text{Te}_{20}\text{Sn}_2$ alloy on the dielectric properties and a.c. conductivity.

Paper Published by Faculty

Mr. Atul Tripathi, Assistant Professor, Department of Computer Science and Information Technology, Mahatma Gandhi Central University co-authored a research paper titled "**Integration of analytic network process with service measurement index framework for cloud service provider selection**" in the international journal titled *Concurrency and Computation: Practice and Experience* published by Wiley. In the paper, the authors have integrated analytic network process which is a decision mechanism into the SMI framework for selecting the most

suitable cloud service providers. In this article, authors have analysed the various criteria of cloud customers, their interactions and influences.

As cloud technology is gaining tremendous popularity now-a-days, selection of the appropriate service provider is very challenging task. Therefore a framework for identification of the same is highly expedient. The paper can be accessed at <http://onlinelibrary.wiley.com/doi/10.1002/cpe.4144/full>



Visit to Dr R. K. Sinha Laboratory at Patna University, Patna



the Dept of Zoology and Dr Pratibha Singh from the Dept of Botany visited Dr R. K. Sinha Laboratory at Patna University, Patna. Dr Sinha is one of the renowned scientists in the field of environment biology. He has been conferred the Padma Shri Award by the Govt. of India and is popularly known as



Department of Zoology, MGCUB organised an educational trip for the students of B. Sc. (Hons) Zoology on 9th April 2017.

The team consisting of all the students of the Dept of Zoology along with faculty members namely Dr Attratarna Pal, Dr Buddhi Prakash Jain, Dr Amit Ranjan, Dr Shyam Babu Prasad, Dr Kundan Kishor Rajak from



the Dolphin Man of India. Dr Sinha not only shared his knowledge and experience with MGCUB students and faculty but also arranged some important experiments for the students. He also gifted a precious book for the MGCUB Central Library. All the MGCUB family members gave a heartfelt thanks to Dr Sinha for these valuable contributions.

Visit to Sanjay Gandhi Jaivik Udyan, Patna

A joint educational trip was organised by the Department of Zoology and the Department of Botany on 22nd April 2017 (Earth Day) for the students of Bachelor of Science (Zoology and Botany). The students and faculty of both departments visited Sanjay Gandhi Jaivik Udyan, Patna. The Director, Mr Uday Nand Kishor, an Indian Forest Service officer interacted with the students, and motivated them to pursue the study of plants and organisms. He also narrated the history of Sanjay Gandhi Jaivik Udyan, Patna. Mr. Kishor extended his support to students and faculty for future research work in the Sanjay Gandhi Jaivik Udyan, Patna. All the MGCUB family members offered their gratitude to Mr Kishor and his team for their kind cooperation during the trip.



MGCUB Participates in FOIN, 2017



Mahatma Gandhi Central University Bihar was represented by Dr Santosh Kumar Tripathi, Dean, School of Physical & Material Sciences and Dr Neelabh Srivastava, Assistant Professor in Physics. MGCUB was placed in 'Group-E' whose leader was from NIT, Tiruchirappalli. The group leader was assigned the task to compile and brief about the innovative practices led by the institutions present in that respective group in 4 minutes. The meeting started with the opening remarks of Prof. Anil Gupta followed by the Secretary to the President of India, Smt. Omita Paul. In her address, Smt. Paul encouraged the members of these institutions to adopt five villages and work on mainly three aspects viz. Energy Storage, Waste Water Treatment and Digital Education. The representatives of MGCUB also discussed with group members such as Prof. Zainul Abdin Jaffery from Jamia Millia Islamia University, Dr Rupesh Chaturvedi from Jawaharlal Nehru University, Prof. Manoj Kulshreshtha and Dr Moumita Das from Indira Gandhi National Open University the various innovative methods



including community radio, internet radio and others. Furthermore, Dr S.K. Tripathi had a dialogue with Prof. Anil Gupta regarding availability of any corpus funds with National Innovation Foundation-India (NIF) which may be utilized to strengthen the adopted villages by means of implementing any program for the betterment of adopted villages by concerned University in their localities. Prof. Gupta said that even though there is no provision for allocation of such funds, it can be arranged by taking help of local administrative and public representatives of those localities.

Mahatma Gandhi Central University Bihar participated in 3rd Festival of Innovations (FOIN-2017) held during 4th to 10th March 2017 in Rastrapati Bhavan. It was the third meeting of National Innovation Clubs of various Central Institutions viz. Universities, IITs, IISERs and NITs. The meeting was headed by the Secretary to the President of India, Smt. Omita Paul and Prof. Anil Gupta, Vice-President, National innovation Foundation set up by Department of Science and Technology, India. The meeting started with the active participation of 85 academic/research institutions which were divided into several groups (Group A-J). Each group consisted of 8-9 institutes having one member as a group leader.

Footprints on the Campus



Smt. Tara Gandhi

During the Champaran Celebrations week, MGCUB had the rare privilege and honour of receiving the blessings from Esteemed **Smt. Tara Gandhi**, grand-daughter of Mahatma Gandhi. Smt. Gandhi is the daughter of late Devadas Gandhi and the late Lakshmi Devadas Gandhi. She has been working for the Kasturba Gandhi National Memorial Trust, founded by Mahatma Gandhi since the last three decades. She also led several movements to protect rivers and environment in India and is one of the leading figures in the Ganga Bachao Andolan. In recognition of her work for promoting peace, solidarity, culture, education and development through her commitment to perpetuating the memory and legacy of Mahatma Gandhi, she was honoured with **Officier de l'Ordre des Arts et Lettres** by the French Government in 2016.