Creativity can be described as letting go of certainties.

------- Gail Sheehy
Prof. Mujumdar is the best teacher that I have ever had. He is my true mentor, great motivator who always set a good role model for his students, friends, colleagues and family members to strive harder and continuously in life.

Thanks Professor Mujumdar, for all your guidance and supervision throughout the past seven years. I am looking forward to working more closely with you, and I wish you all the best in your health, family life and enjoyment of your life (and painting too)!

I wish him a very happy, healthy and prosperous life !!!!!

Dr. Poh Hee Joh
Singapore
Creative thinking may mean simply the realization that there’s no particular virtue in doing things the way they have always been done.

------- Rudolf Flesch
For every beauty there is eye somewhere to see it, For every truth there is an ear somewhere to hear it, For every love there is a heart somewhere to receive it.

------ Ivan Panin
Even if I am working in China now, I am still overwhelmed by his kind assistances. Each of my accomplishments has his mentorship and continuous supports throughout the coming years. I heartedly appreciate him for his kind helps and even do not know how to thank him in a word now. Now May I ask my dear teacher to slow down his working steps and squeeze the time for relax? I also wish he can always keep good health and good mood.

Thanks to him again…

Dr. Li-Xin Huang
China
Knowledge is like entropy;  
it keeps increasing.  

It is a pity the same cannot be said about wisdom.

------ Prof. Arun Mujumdar
Wisdom is like wealth; it is distributed in a very disparate fashion among the population.

------ Prof. Arun Mujumdar
To live a creative life we must lose our fear of being wrong.

-------- Joseph Chillons Pearce
**About Prof Arun Mujumdar**

Prof. Mujumdar has been a very strong role model for me. Throughout my PhD research he has given me tremendous support and new ideas. Thank you! When I initially communicated with him via email, I was very amazed to receive his very quick response. Later on, having met him for the first time in NUS, it was further cemented in my mind how friendly he is to his students. He is always very enthusiastic in sharing and discussing / sharing his ideas.

His painting style is unique, artistically blending water color with ink lines. I first saw his artwork during one of my visits to NUS and I certainly look forward to more of his artworks in the future.

Once again, Prof. Mujumdar, thank you for all the mentoring and opportunities given to me throughout these years.

*Dr. Meng Wai Woo*

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**Wonder is beginning of wisdom.**

------- Greek Proverb
There are six essentials of painting;

The first is *Spirit*;
The second, *rhythm*;
The third, *thought*;
The fourth, *the Scenery*;
The fifth, *the brush*; and
The last is *ink*.

------- Ching Hao
Painting depends on freedom.

When you are feeling completely free, you can create, and this power to create is, in turn, the greatest freedom of all.

------- Grorge Rodrigue
In nature, nothing is perfect and everything is perfect. Trees can be contorted, bent in weird ways, and they’re still beautiful.

------- Alice Walker
About Professor Arun S. Mujumdar

I still remember the first time when I met Professor Mujumdar in NUS. I was feeling a little nervous before that, however, I was very relaxed after talking to Prof. Mujumdar, as he is a very nice human being. I’m deeply impressed with professor’s high efficiency, profound knowledge, innovation, writing skill as well as his paintings.

We, all his students, think that the working efficiency of professor is quite high. As I know, everyday, Prof. Mujumdar handles hundreds of emails, a number of theses and papers to be reviewed, meetings and conferences, as well as teaching and supervising students etc. Still he often spends some time with us, sharing his ideas on research and many other general matters which are also a major part of any research activity.

I was amazed to see his paintings for the first time. I like Professor's water colors very much because they are beautiful, colorful, and delightful. I have told my wife that we will display some of professor’s painting in our new house. Professor Mujumdar’s paintings are precious artwork.

Dr. Xu Peng
China
Creators love creations before they exist.

------- Robert Fritz
Great thought reduced to practice become great art.

------ William Hazlett
About Professor Arun S. Mujumdar

I found Arun as a great human being with good sense of humor and care. He is very hard-working, methodical and always quick to respond. He has great people skills and effective communication skills. He is very thorough in his field and very scholarly. As a collaborator I have found him to be respectful of others’ views, quick to relate and full of ideas. He is very good with his students; quite persuasive, but never authoritative. Now with his talents expressed in painting, and his devotion to his family, he is a completely balanced person.

Madhumita B. Ray
Canada

'The creative person is overpowered, captive of and driven by a demon... They become our legendary heroes.

----- Carl Jung
To Arun

Arun is a very special person. He is absolutely busy but he always makes time to answer our messages. And he has time to do those lovely watercolors! It has been a privilege and a great pleasure to work with him all these years. His kindness is reflected in the delicate watercolors he has painted.

Maria A. Silva
School of Chemical Engineering
University of Campinas, UNICAMP
Brazil
The art of being wise is the art of knowing what to overlook.

--------- William James
I believe I experience creativity at every moment of my life.

------ Henri Bergson
Prof. Arun S. Mujumdar is more than a Ph.D. supervisor for me. He guides me in research, academics and everyday life; he is truly an excellent role model for all his students in all aspects. I always remember his excellent intuition in research, very strong knowledge of both science and engineering, and his broad vision on research and social activities which have influenced me a lot in my daily life. Furthermore, my favourite quote from Prof is "Start from the simplest thing to improve the system"; this I will always apply in my research.

We all know that Prof. Mujumdar—as Number One person in the world of drying and heat transfer area—is very busy every day with papers, reviews, and other administrative work; however, he always has time for his students as priority. I cannot imagine how he can manage his time so that all the works are finished, while still giving guidance to all his students. For me, being his student is definitely an honour.

Prof. Mujumdar is not only excellent in research, teaching and leadership, but he is also a talented artist. I am impressed with his painting—though I am not an art critique—I can feel in his paintings real 'life'. He, sometimes, combines his engineering and art together. Once he showed me his cartoon painting called 'hybrid sport' in which he combined two different sports: golf and shooting— with a blend of humour, it is far beyond my imagination to combine the two in a single image; truly a genius!

I want to express my sincere gratitude for the support and guidance during my Ph.D. candidature; it has meant so much to me, Prof.

Agus Pulung Sasmito
NUS, Singapore
When you are painting a landscape, assume the painting is real and the landscape is an illusion

------- Darby Bannard
The aim of the painting is that the eye should find out what it likes.

-------- Joanna Field
The Convective Heat Transfer class during my M.Sc. program at NUS gave me the opportunity to meet this great teacher. He makes his students think through his penetrating questions. I always remember the questions he raised during the class about non-dimensional numbers and their physical significance. That significance had a significant effect on every student’s mind. He motivates students to be innovative, hardworking and bring original and significant contributions to their field of research by setting him as a role model.

He works hard and responds quickly to e-mails and sets him as an example for others to follow. Apart from his academic achievements, his simplicity and politeness makes him much more respectable. There are many things to learn from him from engineering research to everyday life. He is a great role model for everyone and I am very proud to be one of his students.

Through his paintings he has shown that he is a “Drawing Guru” in addition to being a “Drying Guru”. Those who have taken dinner at his home will know that he is also great in cooking.

Sir, May God show his choicest blessings on you and your family..

Karthik SomaSundaram
NUS, Singapore
First of all, I would like to express my sincere gratitude to Prof. Mujumdar who has been guiding me through my research, giving motivation and enlightenments not only for research but also for my daily life. He is a really nice, wise and smart mentor. It is truly an honour to be his student.

Prof. Mujumdar is one of the greatest scientists and engineers this world has ever had. He has made outstanding contributions to the scientific world especially in drying technology, for which he is crowned the Drying Guru. As his student, I am amazed by his broad knowledge, creativity, innovation and writing skills.

I remember the first time I saw his paintings was in a TPR group meeting. I was amazed by his paintings. They were really beautiful. It was difficult for me to believe that Prof. Mujumdar with his hectic activity could draw such beautiful paintings. He is really a genius and highly efficient.

Besides being a great scientist and a good artist, Prof. Mujumdar is also a wonderful chef. He is excellent in preparing delicacies. I feel lucky that I get to taste his delicious delicacies when he invites us for lunch in his home. What a wonderful personality, great in science, good in arts and excellent in cooking!

Jundika Candra Kurnia
NUS, Singapore
Every artist deeps his brush in his own soul and paints his own nature into his pictures.

------- Henry Ward Beecher
Painting is a poignant act between inner vision, virtuosity and mystery.

------ Donald Demers
Professor Arun Mujumdar (widely known as the Drying Guru) is a branded figure in international domain. One major facet to his eminent personality is his art. ASM is a great scientist and an artist. ADL members always had wonderful experience about his artistic thinking & wonderful paintings in the form of self-made season’s greeting cards. ADL members are privileged to have fruitful discussions with him regarding the global drying scenario. He is always generous to share his vast international experience with us. Another interesting element which we admire about him is his knowledge of economics and finance. He is also an economist and has up to date information on global economic trends.

His contribution to ADL and ICT, Mumbai is immense. He has been a major part of all the events organized by ADL, right from Drying workshop in 2001 to the 16th International Drying Symposium held very successfully in November 2008 in Hyderabad – India.

It was always nice to listen to his thoughts & ideas not just on global R&D but also on different issues such as global finance related matters. An amazing blend of research and artwork make him a great artist. Perseverance and persuasion of passion have made ASM a benchmark for every budding professional. ADL is fortunate to have his timely guidance and support. Nevertheless it is worth mentioning his better half Purnima who stalwartly supported ASM in his endeavors. We are sure he will get recognition as an artist ASM as well in the epoch to come and wish him all the best for his artistic journey ahead.

Bhaskar Thorat and Advanced Drying Laboratory
ICT, Mumbai - India
I was like a boy playing on the sea-shore. And diverting myself now and then finding a smoother pebble or a prettier shell than ordinary, whilst the great ocean of truth lay all undiscovered before me.

------- Sir Isaac Newton
Ability is what you're capable of doing.

Motivation determines what you do.

Attitude determines how well you do it

------- Lou Holtz
Enthusiasm is excitement with inspiration, motivation and a pinch of creativity.

------ Bo Bonnett
It is amazing to feel how the years flow. There are so many things to share, filling the river of our lives, that words are useless. It is important to feel the friendship from Arun, always close, always right… and also Purnima, so active and friendly, we never forget her either. Their house is the world and their friends are countless. The field of Drying, and his activity, has been like a football stadium where he plays making friends as the most important goal. The relevance of Drying Technology and IDS Symposia would never attain the heights where they are now without the dedication, effectiveness, and fair play of Arun.

Arun, the river of your life flows full of good things, one of the most important the large international friendly community you created and also bringing Drying to an unprecedented level of knowledge and activity.

All the best to you and Purnima wishing a pleasant flow until the sea.

Antonio and Remedios
Spain

Innovation distinguishes between a leader and a follower.

------- Steve Jobs
'If we learn to domesticate creativity - that is enhance it rather than deny it in our culture - we can increases the number of creative persons as it was in the Renaissance, Elizabethan England, when civilization made great leaps forward.

------- John Gowan
Human life itself may almost be pure chaos, but the work of the artist is to take these handfuls of confusion and disparate things that seem to be irreconcilable and put them together in a form to give them some kind of shape and meaning.

------- Katherine Anne Porter
To my friend, Arun Sadashiv Mujumdar

It is both a pleasure and privilege to offer a contribution to this booklet marking Arun’s 65th birthday. I first met Arun back in 2002 through a commercial involvement and was immediately impressed with his personal strength and caliber. Over the next few years this led to having the deepest of respect for Arun as an individual.

I am not an academic; however, I have been significantly involved in new drying developments globally over the past decade. Arun always provided me with positive and supportive encouragement as we worked through the various challenges that always present themselves during the commercialization of new technology. It was from this that we then had frequent contact at both a professional and personal level.

I have fond memories of sharing many a conversation over a good meal from Budapest to Hong Kong and Melbourne. Recently I was delighted to be able to extend hospitality to both Arun and Purnima on a visit to New Zealand. From that I had a glimpse into his passion for life, his dedication, respect and love for Purnima and his children and his additional talents - in particular his recently developed love of painting.

Arun commented that he found pleasure in painting in that it was a relaxing diversion away from the pressures of work. I felt however that he was keen on developing a second career and said to him that I was glad to have known him prior to when his art work becomes famous.

Arun has an approach to life that few of us reach but many aspire to. Highly organized, professional and always willing to assist, it is easy to see how he is held in such esteem by friends and colleagues alike. Arun deservedly has earned his reputation as being the ‘Drying Guru’. However I believe that people are measured in a variety of ways and Arun has the ability to leave a lasting impression on all those with whom he comes into contact. I admire his humility, sense of fairness and the respect that he has for his fellow men and am honoured by his friendship.

Go well Arun and may you have many wonderful birthdays surrounded by friends and family

Max Morley
New Zealand
The only rule in art is what works.

------ Lee Fleming
Never think there is anything impossible for the soul. It is the greatest heresy to think so. If there is sin, this is the only sin to say that you are weak, or others are weak.

---------- Swami Vivekananda
Painting is our way of communicating thoughts; it may not always be understood by others but we know what we mean.

------- Marion Boddy-Evans
Dear Prof Arun Mujumdar,

First of all I would like to take this special moment to thank Prof. Mujumdar for all his guidance as my mentor, supervisor with great thoughts and insights over the past eight years and wish him and his family members happiness and good health in years to come.

I had the opportunity to meet Prof. Mujumdar in National University of Singapore to start my research in electronics cooling in 2003. This is something special that happened to me; I was lucky to have him as my research guide 14 years after my bachelor degree graduation. I still remember; his way of approach was so polite, humble and inspiring. I doubt I will be able to meet such a wonderful person as my teacher in this part of my life.

On several occasions, I discussed my research problem with him, he listened and responded 100% whether in short or long meetings. What I found amazing is, on day one I met him, his email response to everyone and every message is almost instantaneous on any matter, whether research or anything else. The world can sleep but he is not sleeping so he can respond to every email, whether he is on our campus or travelling or with family; no worries for his students waiting for a response. Professor is the Guru not only in professional and family aspects of life but also in the arts and in cooking too. There are lot of things I have learned from him since the Day one I met him.

Prof Mujumdar, I truly appreciate your dedication and hope you recognize, as we do, the valuable role you play in building our carriers as brighter researchers and experts as we enter the new competitive world. Thank you for your continuing support. It is through the positive efforts of professors like you that one makes a difference to the next generation of students. Once again, I wish him ‘HAPPY 65th Special BIRTHDAY ‘ which is recorded with his Art Book. Thanks to Sachin for his artistic rendering of the diverse watercolors!

Ravi Kandasamy
Singapore
Painting is a source of endless pleasure, but also of great anguish.

------ Balthus
Over professional career at McGill University and at NUS (August 2000- till date)

- 370+ journal papers; 350+ conference papers; 120+ book chapters
- 2 Authored books (multiple editions/reprints, translated into Chinese, French, Hungarian, Farsi, Bhasa Indonesia, Korean etc)
- 60+ edited works published internationally
- Editor, Handbook of Industrial Drying (3rd edition; 50% authored)
- Editor-in-Chief, Drying Technology (Taylor & Francis, 1988-) I. F. 1.393; 12 issues per annum, 2100+ refereed paper published to date under Prof. Mujumdar’s editorship
- Series Editor : Advances in Drying (5 vol. ); Advances in Transport Processes (11 volumes); Modern Drying Technology (VCH-Wiley, Germany) 5-vol. set (2007-2012)
- Member Editorial Board of 7 international journals
- Member of Organizing/Scientific committees of 60+ international conferences
- Advised 55+ PhD students at McGill, NUS and several universities in China, India, Hong Kong, Thailand, Malaysia, Iran etc. 25+ Master’s theses and 125+ undergraduate research students; supervised 35+ postdoctoral research fellows, research engineers
- Honorary professor at 6 universities in China and Thailand; Distinguished Professor at Institute of Chemical Technology, Mumbai, India
- Fellow of ASME, CIC, IICHE, etc
- Lectured in 40+ countries
- Plenary and Keynote lectures at international conferences in 3 continents : 70+
- Interdisciplinary research since 1965; consultant to industry 1975-2000.

Teaching

- Transport Phenomena; Convective Heat Transfer; Mass Transport; Engineering Thermodynamics; Fluid Mechanics; Drying
- Professional Development Courses and workshops for industry: 20+
- Workshops in Industrial Drying: 20+

Administration

- Evaluation Panels for major research grants; Promotion/tenure committees; University General Education comm.
- Advisor to several Research Centres in overseas universities
- Involved in establishment of Engineering Science Program at NUS, initiator of Energy Systems option within ESP, including Faculty Search and Recruitment, curriculum development; international liaison etc.
- Director, Minerals, Metals & Materials Technology Centre/Faculty of Engineering/NUS. Principal author of proposal to EDB/Singapore leading to establishment of a $20 million/3 year Centre.
Selected books and journals in drying and transport phenomena edited / authored by Professor Arun S. Mujumdar, National University of Singapore and McGill University, Canada. (1978-2004).
Awards & Accolades

- Selected as one of the International Biographical Centre (IBC) Top 100 Engineers 2009
- Doctoris Honoris Causa Award from Lodz Tech University, Poland
- Prestigious award named after Prof Arun S Mujumdar - Gold Medal for outstanding contributions to drying R&D, mentoring younger generation of researchers and promoting drying research on a global scale
- Named Platinum Jubilee Distinguished Honorary Professor of Chemical Engineering, University of Mumbai
- Copernicus Medal, Polish Academy of Sciences
- Josef Stanus Medal, Czech Academy of Sciences
- Procter & Gamble Award for excellence in drying research
- Lifetime Achievement Award, IWSID 2004, Mumbai, India
- Plenary and Keynote lectures at international conferences held in India, China, Malaysia, Taiwan, New Zealand, Denmark, etc.
- Over sixty books on drying technologies, heat/mass transfer authored/edited since 1978; two authored books
Research Statistics

- Journals: 53.20%
- Conferences: 27.70%
- Books: 19.10%

Note: List of journal papers for 2009 is incomplete.
Professor Arun S. Mujumdar earned his B. Chem. Eng. degree with distinction from University of Mumbai and then proceeded to obtain M. Eng and PhD degrees from McGill University, Canada where he was Professor of Chemical Engineering until 2000. He joined the Mechanical Engineering Department of National University of Singapore in 2000 where he is Professor and Director of the Minerals, Metals & Materials Technology Centre. He is the Founding Chairman of the acclaimed International Drying Symposium (IDS) series as well as Editor-in-Chief of Drying Technology journal since 1988. He is author/co-author of over 400 archival publications, over 100 book chapters and editor/co-editor of several dozen books on drying, heat and mass transfer. Winner of many prestigious international awards, the Technical University of Lodz conferred upon him the award of Doctor Honoris Causa In June 2008. In 2007 a new annual international award entitled Arun S. Mujumdar Medal for Excellence in Drying Research, Service and Mentorship was instituted to recognize exceptional contributors to the science, technology and engineering of thermal drying on a global scale.

New ideas seem like frightening ghosts to people at the beginning; they run away from them for a long time, but they get tired of it in the end!

-------- Mehmet Murat ildan