

# ASSAM UNIVERSITY, SILCHAR

## Faculty Profile

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1. **Name** : DR. SUMAN KALYAN PANJA



2. **Designation** : Assistant Professor

3. **Address** : Department of Education, Assam University, Silchar – 788011, Assam, India.  
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<https://orcid.org/0000-0002-9097-4938>

4. **School** : Asutosh Mukherjee School of Educational Sciences.

5. **Academic Qualifications:** Ph. D. (Education, Ongoing), M. Ed., PG Diploma in Guidance and Counselling (PGDGC), Diploma in Training and Development (Dip. TD), Ph. D. (Chemistry), PG Diploma in Chemical Analysis and Quality Management (PGDCAQM).

6. **Areas of Interest:**

Organic Chemistry, Science Education, Guidance and Counselling, Technology Enhanced Learning, Training and Development.

7. **Experiences:**

Assistant Professor (October 2017 - Till Date), Department of Education, Assam University, Silchar.

Assistant Professor (On Contract, August, 2016 – April, 2017), Department of Chemistry, DESM Section, Regional Institute of Education (NCERT), Bhubaneswar.

Assistant Professor (On Contract, August, 2015 – April, 2016), Department of Chemistry, DESM Section, Regional Institute of Education (NCERT), Bhubaneswar.

**8. Achievements, Awards & Honours:**

- i. NET (Education and Chemical sciences).
- ii. NPTEL courses topper on Enhancing Soft Skills and Personality, Educational Leadership, Pericyclic Reactions and Organic Photochemistry.
- iii. NPTEL Motivated Learner (Dec. 2019).

**9. Research Publications: 18**

- i. Jaydip Ghosh, **Suman Kalyan Panja**, Sourav Maiti, Pritam Biswas, Tapas Sarkar and Chandrakanta Bandyopadhyay. *"Synthesis of 3-aminomethylidenechroman-2-carboxamides by a Sequential One-pot Three Component Reaction and by Post-Passerini Condensation Modification."* *J. Heterocyclic Chem.*, **2016**, 53 (2), 449 - 456. (ISSN No. 1943 - 5193).
- ii. **Suman Kalyan Panja**, Jaydip Ghosh, Sourav Maiti and Chandrakanta Bandyopadhyay. *"Synthesis of furocoumarins and biscoumarins by an isocyanide-induced multicomponent reaction: isocyanide as a masked amine."* *J. Chem. Res.*, **2012**, 36 (4), 222 - 225. (ISSN No. 1747 - 5198).
- iii. Sourav Maiti, **Suman Kalyan Panja**, Koushik Sadhukhan, Jaydip Ghosh, Chandrakanta Bandyopadhyay. *"Effects of substituent and catalyst on the intramolecular Povarov reaction—synthesis of chromenonaphthyridines."* *Tetrahedron Lett.*, **2012**, 53 (6), 694 - 696. (ISSN No. 0040 – 4039).
- iv. **Suman Kalyan Panja**, Sourav Maiti and Chandrakanta Bandyopadhyay. *"Synthesis of 8,8'-(polymethylene-/o-xylyl-dioxy)di(pyrano[4,3-b]-1- benzopyran)-10H-10-one and its conversion to corresponding diacrolein derivative."* *J. Indian Chem. Soc.*, **2011**, 88, 1577 - 1580. (ISSN No. 0019 – 4522).
- v. Sourav Maiti, Suvadip Mallick, **Suman Kalyan Panja**, Chiranjib Pal and Chandrakanta Bandyopadhyay. *"A one-pot rearrangement of 2-(N-alkyl-N-aryl)aminochromone-3-carbaldehyde to N-alkyl-3-salicyloyl-2-quinolone- an antileishmanial agent."* *Synlett*, **2011**, 22 (14), 2001 - 2004. (ISSN No. 0936 - 5214).

- vi. Sourav Maiti, T. M. Lakshmykanth, **Suman Kalyan Panja**, Ranjan Mukhopadhyay, Ayan Datta and Chandrakanta Bandyopadhyay. "Regio- and stereoselective synthesis of 1-benzopyrano[2,3-b]pyrrolo[2,3-d]pyridines: A microwave-accelerated intramolecular [3+2] cycloaddition reaction of azomethine ylide." *J. Heterocycl. Chem.*, **2011**, 48 (4), 763 - 768. (ISSN No. 1943 - 5193).
- vii. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "An organocatalytic rearrangement of 2-(N-alkyl-/aryl)amino-4-oxo-4H-1-benzopyran-3-carbaldehyde." *Tetrahedron Lett.*, **2011**, 52 (16), 1946 -1948. (ISSN No. 0040 - 4039).
- viii. **Suman Kalyan Panja**, Sourav Maiti, Michael G. B. Drew and Chandrakanta Bandyopadhyay. "One-pot three component reaction involving cyclohexyl isocyanide for the synthesis of furo[3,4-b]chromenes." *J. Chem. Res.*, **2011**, 35 (4), 225 - 228. (ISSN No. 1747 - 5198).
- ix. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "Synthesis of 6,8-diarylimino-7H-pyrano[3,2-c:5,6-c']dicoumarin; chemoselective hydrolysis of the ether- and imino-functions." *J. Chem. Res.*, **2011**, 35 (2), 84 - 86. (ISSN No. 1747 - 5198).
- x. **Suman Kalyan Panja**, Sourav Maiti and Chandrakanta Bandyopadhyay. "Synthesis of 3-allylchromones, homoisoflavones and bischromones from 1-(2-hydroxyphenyl)-3-(N, N-dimethylamino) propenone." *J. Chem. Res.*, **2010**, 34 (10), 555 - 558. (ISSN No. 1747 - 5198).
- xi. Sourav Maiti, **Suman Kalyan Panja**, and Chandrakanta Bandyopadhyay. "Substituent-controlled domino-Knoevenagel-hetero Diels-Alder reaction – a one-pot synthesis of polycyclic heterocycles." *Tetrahedron*, **2010**, 66 (38), 7625 - 7632. (ISSN No. 0040 – 4020).
- xii. **Suman Kalyan Panja**, Sourav Maiti, Subhabrata Banerjee and Chandrakanta Bandyopadhyay. "One-Pot Synthesis of Pyrano [3, 4-b] chromones from Chromone-3-carbaldehyde." *Synlett*, **2010**, 2010 (13), 1909 - 1914. (ISSN No. 0936 – 5214).
- xiii. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "A one-pot synthesis of the 1-benzopyrano[2,3-b]pyridine moiety from 2-(Alkyl/arylamino)-4-oxo-4H-1-benzopyran-3-carbaldehyde." *J. Heterocycl. Chem.*, **2010**, 47 (4), 973 - 981. (ISSN No. 1943 - 5193).
- xiv. **Suman Kalyan Panja**, Sourav Maiti and Chandrakanta Bandyopadhyay. "One-pot three component reaction for the synthesis of chromone-linked naphthopyran." *J. Chem. Res.*, **2009**, 2009 (11), 692 - 695. (ISSN No. 1747 – 5198).

- xv. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "Reaction of amines with nitrones derived from chromone-3-carbaldehyde." *Indian J. of Chem.*, **2009**, 48B, 1447 - 1452. (ISSN No. 0975 – 0983).
- xvi. Sourav Maiti, **Suman Kalyan Panja** and Chandrakanta Bandyopadhyay. "A one-pot synthesis of 3,3'-methylenebis(2-arylamino-4H-chromen-4-one) from C-(4-oxo-4H-1-benzopyran-3-yl)-N-arylnitron." *Tetrahedron Lett.*, **2009**, 50 (27), 3966 - 3969. (ISSN No. 0040 – 4039).
- xvii. **Suman Kalyan Panja**, Sourav Maiti, Michael G. B. Drew and Chandrakanta Bandyopadhyay. "Synthesis of bischromones by deformylative Mannich reaction on chromone-3-carbaldehyde using  $\alpha$ -aminoacid as the source of amin." *Tetrahedron*, **2009**, 65 (7), 1276 - 1280. (ISSN No. 0040 – 4020).
- xviii. **Suman Kalyan Panja**, Partha Karmakar, Jishnunil Chakraborty, Tarun Ghosh and Chandrakanta Bandyopadhyay. "Synthesis of dispiropyrrolidines from chromone-3-carbaldehyde using sarcosine and ninhydrin as the source of an azomethine ylide." *Tetrahedron Lett.*, **2008**, 49 (28), 4397 – 4401. (ISSN No. 0040 – 4039).

#### 10. Monograph Published:

**Suman Kalyan Panja**, "Evaluation Framework for Govt., Govt-Sponsored and Govt-aided Secondary Schools in India" (ISBN NO - 9788192367514).

#### 11. Participation in Seminar/Symposium/Workshop/Conference/Training: 19

A. Paper Presented: 7				
Sl. No.	Programme	Schedule	Organised By	Title of the Paper
1	<b>National Seminar</b> on Higher Education in India: Reorientation and Quality Assurance	23 <sup>rd</sup> March, 2019	AUTA, Assam University, Silchar.	Quality Assurance? We Are "NAAC" Peer Team, Not Fear Team!
2	<b>International Seminar</b> on Culture, Thought & Religion: Edges and Exchanges	28 <sup>th</sup> January, 2019	East Calcutta Girls' College, Lake Town	Diversity Management and Inclusion

3	<b>International Seminar</b> on Peace, Well-being & Education: a Pedagogical Discourse.	28–29 <sup>th</sup> December, 2018.	Jadavpur University & Bhattar College, Dantan.	Coping With Stress for Psychological and Social Wellbeing
4	<b>International Seminar</b> on “New Horizons in Teacher Education”.	15-16 <sup>th</sup> January, 2018.	WBUTTEPA, Kolkata.	Relating Human Resource Development with Teacher Education in the 21 <sup>st</sup> Century.
5	<b>National conference</b> on “Quality Assurance in School Education”.	17-18 <sup>th</sup> December, 2015.	Regional Institute of Education (NCERT), Bhubaneswar.	Attitude towards Career Guidance and Counselling Among Higher Secondary School Teachers Under Present Scenario in West Bengal.
6	<b>National seminar</b> on “National Seminar on Current Trends in Chemistry-IV (NSCTC-IV)”.	26 <sup>th</sup> February, 2010.	University of Kalyani.	One-pot synthesis of pyrano[3,4- <i>b</i> ]chromones from chromone-3-carbaldehyde.
7	<b>International symposium</b> on “Frontiers of Functional Materials”.	6-7 <sup>th</sup> January, 2009.	University of Calcutta.	Synthesis of dispiropyrrolidines from chromone-3-carbaldehyde using deformylative Mannich reaction.

### B. Workshop Attended and Contributed: 3

Sl. No.	Programme	Schedule	Organised By
1	Role of Academia in Building Resilience of Children to Disasters in Barak Valley of Assam.	11-12 <sup>th</sup> December, 2017	Department of Social Work, Assam University, Silchar in collaboration with UNICEF, Assam and Assam State Disaster Management Authority.
2	Development of CBCS based integrated syllabus for B.Sc B.Ed students.	6 – 7 <sup>th</sup> December, 2016.	DESM Section, Regional Institute of Education (NCERT), Bhubaneswar.
3	Developing Evaluation Framework for Government, Government Sponsored & Government Aided Schools in India	9 <sup>th</sup> April, 2015.	Ramakrishna Mission Sikshanamandira, Belur Math.

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<b>C. Participation in Seminar/Symposium/Workshop/Conference/Training: 9</b>			
<b>Sl. No.</b>	<b>Programme</b>	<b>Schedule</b>	<b>Organised By</b>
1	<b>Public Procurement under GFR 2017 from ISTM (DoPT), Gol.</b>	22 <sup>nd</sup> – 24 <sup>th</sup> April, 2019	Assam University, Silchar.
2	<b>“NPTEL SPOC workshop”.</b>	6 <sup>th</sup> January, 2018.	IIT – Kharagpur.
3	<b>“National Conference on Mathematics Education”.</b>	19-20 <sup>th</sup> December, 2016.	Regional Institute of Education (NCERT), Bhubaneswar.
4	<b>College level seminar on “Modern Trends in Chemistry”.</b>	9 <sup>th</sup> January, 2013.	Ramakrishna Mission Vivekananda Centenary College, Rahara.
5	<b>College level seminar on “Interdisciplinary Approach in College Level Chemistry”.</b>	6 <sup>th</sup> September, 2011.	Ramakrishna Mission Vivekananda Centenary College, Rahara and Mahadevananda Mahavidyalaya, Barrackpore.
6	<b>National level symposium on “National Symposium on Organic Chemistry (NSOC-IV)”.</b>	2-3 <sup>rd</sup> February, 2011.	Jadavpur University.
7	<b>International level symposium on “Facets of Weak Interactions in Chemistry”.</b>	13-15 <sup>th</sup> January, 2011.	University of Calcutta.
8	<b>International level symposium on “Organic Chemistry: Trends in 21<sup>st</sup> Century”.</b>	10-12 <sup>th</sup> December, 2009.	IACS, Jadavpur.
9	<b>Kolkata chapter symposium on “Current Trends of Chemical Research”.</b>	8 <sup>th</sup> August, 2009.	Ramakrishna Mission Residential College, Narendrapur.

## 12. Contribution to E-content Development:

Course No – 121106008.

Platform – NPTEL, SWAYAM.

## 13. CPDs Undertaken:

- I. **Action Research in Education** (NCERT - New Delhi).
- II. **Programme on School Leadership and Management** (NIEPA – New Delhi).
- III. **Stereochemistry** (IIT – Kharagpur).
- IV. **Basics of Fluorescence Spectroscopy** (IIT – Kanpur).
- V. **Human Resource Development** (IIT – Kharagpur).
- VI. **Principles and Applications of NMR Spectroscopy** (IISc – Bangalore).
- VII. **Enhancing Soft Skills & Personality** (IIT – Kanpur).
- VIII. **Analytical Chemistry** (IIT – Kharagpur).
- IX. **Educational Leadership** (IIT – Kharagpur).
- X. **Stress Management** (IIT – Kharagpur).
- XI. **Pericyclic Reactions and Organic Photochemistry** (IIT – Madras).
- XII. **Introduction to Cognitive Psychology** (IIT – Guwahati).
- XIII. **Teaching & Learning in Ground Phase TALG** (IISc – Bangalore).
- XIV. **Introduction to Psychology: The History and Science of Psychology** (Monash University).
- XV. **Introduction to Psychology: Developmental Psychology** (Monash University).
- XVI. **Introduction to Psychology: The Psychology of Learning** (Monash University).
- XVII. **Introduction to Psychology: The Psychology of Personality** (Monash University).
- XVIII. **Introduction to Psychology: Sensation and Perception** (Monash University).
- XIX. **Creating Apps in the Classroom** (Queensland University of Technology).
- XX. **The Science of Learning** (National STEM Learning Centre).
- XXI. **What is Leadership** (Deakin University).
- XXII. **Essential Skills for Your Career Development** (University of Leeds and Institute of Coding).

**14. FDPs Completed:**

- I. **Educational Leadership** (IIT – Kharagpur).
- II. **Stress Management** (IIT – Kharagpur).
- III. **Teaching & Learning in Ground Phase TALG** (IISc – Bangalore).

**15. OP/FIP/RC/CBP Attended:**

- I. ARPIT course on **Internship in Teaching** (RIE – Mysore. 05/11/18 - 28/02/2019).
- II. **Online Refresher Course in Chemistry for Higher Education Faculty** (Sri Guru Tegh Bahadur Khalsa College, University of Delhi, 01.09.2019 – 31.12.2019).
- III. **ICSSR** sponsored two weeks CBP on **Research Methodology in Social Science and Social Work for young faculties** from 07/11/2019 to 20/11/2019 in Dept. of Social Work, Assam University, Silchar.
- IV. FIP3 at **UGC-HRDC-JNU** from 28/12/2020 to 23/01/2021.

**16. Membership with Professional Bodies:**

- I. AIAER, Bhubaneswar (4284).

**17. Research Projects (Ongoing):**

- I. “Study of Diels Alder Reaction on Substituted Chromone for the Synthesis of Pharmaceutically Important Xanthene Analogues.” **Funded by UGC, New Delhi.** (2019 - 2022).